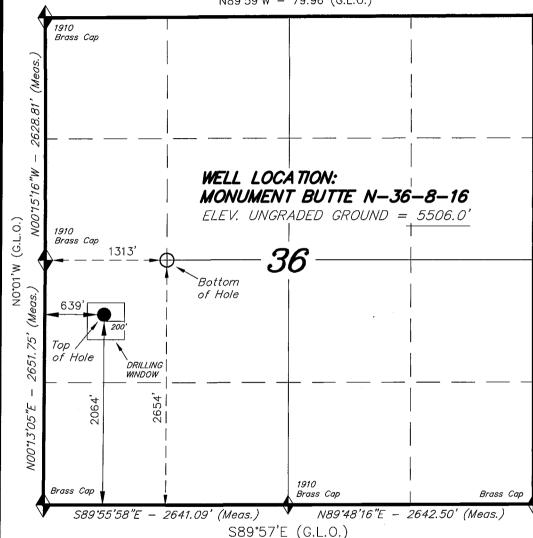
STATE OF UTAH

| DIVISION | N OF OIL, GAS | ANI | MINING | | | | 5. LEAS | e designatio | on and serial no. |
|---|---|------------------------|--|-----------------|---------------------|-------------------|-----------|------------------------|---------------------------------------|
| APPLICATION FO | D DEDMIT TO | DDI | II DEEDEN | | | (| 6. IF INI | | EE OR TRIBE NAME |
| | | | LL, DEEPEN | | | - | | N/A | |
| Ia. TYPE OF WORK DRILL | . x DEEF | 'EN | | | | | 7. UNIT | AGREEMENT | |
| 1b. TYPE OF WELL | | | SINGLE | MULT | ים זמח | 1, | O PADA | IVIONU I OR LEASE N | ment Butte |
| OIL X GAS | ОТНЕ | R | ZONE X | ZONE | L.T.F | 1 | 8. PAKI | N/A | AME |
| 2. NAME OF OPERATOR | | | | | | - + | 9. WELI | NO. | |
| Newfield Production Co | | | | | | | | | tte State #N-36-8-16 |
| Route #3 Box 3630, My | | | Phone | e• <i>(4</i> 3 | 35) 646-3721 | | 10. FIEL | D AND POOL | or wildcat ment Butte |
| 4. LOCATION OF WELL (FOOTAGE | GE) 578945 X 4 | 4361 | 1374 40 072 | | 110.07419 | 8 1 | 11. QTR/Q | | WNSHIP, RANGE, MERIDIAN: |
| At Surface NW/S | SW 2064' FSL (| 39'F | WL' | (| | | | Nww. | |
| At proposed Producing Zone | SW 009-04-41121 | 2004 | FSL 1313' FEL | Δ11A | 110006 | | NW/S | | 01/F |
| 5 ° | TION FROM NEAREST TOWN | OR POST | 9 70.079431 OFFICE* | 710. | <u>067300</u> | 1: | 2. Coun | 86, T8S, I | 13. STATE |
| Approximately 13.1 mil | les south of Myton, | UT | | | | | Duch | <u>es</u> ne | UT |
| 15. DISTANCE FROM PROPOSED* LO OR LEASE LINE, FT.(Also to nearest | | RTY | 16. NO. OF ACRES IN LEASE | 1 | 17. NO. OF ACRES | ASSIGNED | то тні | WELL | |
| Approx. 1313' f/lse line | , | ne | 640.00 | | 20 | | | | |
| 18. DISTANCE FROM PROPOSED LOC | CATION* TO NEAREST WELL | | 19. PROPOSED DEPTH | | 20. ROTARY OR C | | s | | |
| DRILLING, COMPLETED, OR APPI Approximately 12 | • | | 6560' | | Potes | 101 7 | | | |
| 21. ELEVATIONS (Show whether DF, R | | | 0300 | | Rotai | ĭ | V DATE | WORK WILL | CT 4 D TS |
| 5506' GL | 1, (11, 000.) | | | | | 4th Qu | i | | START" |
| 23. PROPOSED C | CASING AND C | CEM | ENTING PROC | FRA | M | | | | |
| SIZE OF HOLE | SIZE OF CASING | WEIGHT/I | POOT | SETTIN | IG DEPTH | QUANTIT | VOECE | EMENT | |
| 12 1/4 | 8 5/8 | 24# | | 290' | ODEN III | 155 sx | | _ | |
| 7 7/8 | 5 1/2 | 15.5# | | TD | | | | | by 450 sx tail |
| | | | | | | See De | | | <u> </u> |
| DESCRIBE PROPOSED PROGRAM: subsurface locations and measured a *The actual cement vol | and true vertical depths. Give | blowout _l | preventer program, if any. | | | | sal is to | drill or deepen | directionally, give pertinent data on |
| SURFACE PIPE - 155 | sx Class G Cement | +/፲ 10 | %. w/ 2% CaCl2 & | 1/4#/ | sk Cello-flako | e | | | |
| | | | : 1.17 Cu Ft/sk I | | | • | | | |
| Weig Tail: Weig | Bentonite + .5% So ht: 11.0 PPG Y 50-50 Poz-Class G | dium I TELD Ceme | Metasilicate : 3.43 Cu Ft/sk I nt + 3% KCl + .25 l | H2O F lbs/sk | Req: 21.04 ga | ıl/sk + 2% Be: | | | sk Kol Seal + Sodium Metasilicate |
| Name & Signature Mandie Cr | ozier Org | ju | 7Title: Regulatory | Spec | ialist | Date: | 6/1 | 6/2006 | |
| (This space for State use only) | | | | | | | | | |
| API Number Assigned: Approve | /3-013-33 d by the | 223 | APPROVAL: | | | | | · | -OFWED |
| Utah Div | | | | | | | | P | ECEIVED |
| Oil, Gas a | | | *See Instruction | ns O | n Reverse S | Side | | | JUN 2 3 2006 |
| Date: 10-10 |)-0g/M | | | | | | | DIV. | OF OIL, GAS & MINING |

T8S, R16E, S.L.B.&M.

N89°59'W - 79.96 (G.L.O.)



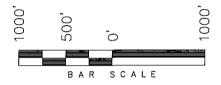
lack

= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE) MONUMENT BUTTE N-36-8-16 (Surface Location) NAD 83 LATITUDE = 40° 04' 22.06" LONGITUDE = 110° 04' 29.72"

NEWFIELD PRODUCTION COMPANY

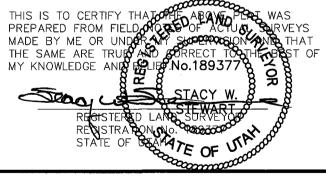
WELL LOCATION, MONUMENT BUTTE N-36-8-16, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 36, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



Note:

NORTH

- 1. The bottom of hole bears N48°56'45"E 896.18' from the well head.
- 2. Basis of Bearings is the South line of the SW 1/4 of Section 35, T8S, R16E, S.L.B.&M. which is taken from G.L.O. information to bear S89'57'E 2644.46'.



TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501

| (100) | |
|---------------------------|-------------------|
| DATE SURVEYED: 5-23-06 | SURVEYED BY: C.M. |
| DATE DRAWN: 5-24-06 | DRAWN BY: F.T.M. |
| REVISED: | SCALE: 1" = 1000' |

DIRECTIONAL DRILLING R649-3-11 WELL EXHIBIT MONUMENT BUTTE UNIT UT080P49-8861680 DUCHESNE COUNTY, UTAH

Monument Butte State N-36-8-16

State of Utah Lease # ML-22061 (surface & bottomhole) 2064' FSL, 639' FWL (at surface) 2654' FSL, 1313' FWL (bottomhole) Section 36-T8S-R16E

Monument Butte State H-2-9-16

State of Utah Lease # ML-21839 (surface & bottomhole) 1835' FNL, 1968' FWL (at surface) 1322' FNL, 2638' FWL (bottomhole) Section 2-T9S-R16E

Monument Butte Federal K-35-8-16

BLM Lease # U-16535 (surface & bottomhole) 1885' FNL, 671' FEL (at surface) 2629' FNL, 0' FEL (bottomhole) Section 35-T8S-R16E

Monument Butte Federal L-35-8-16

BLM Lease # U-16535 (surface & bottomhole) 1828' FSL, 2125' FEL (at surface) 2649' FSL, 1327' FEL (bottomhole) Section 35-T8S-R16E

Monument Butte Federal M-35-8-16

BLM Lease # U-16535 (surface & bottomhole) 1810' FNL, 1978' FWL (at surface) 2636' FNL, 2642' FWL (bottomhole) Section 35-T8S-R16E

NEWFIELD PRODUCTION COMPANY MONUMENT BUTTE STATE #N-36-8-16 NW/SW SECTION 36, T8S, R16E DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

 Uinta
 0 – 1700'

 Green River
 1700'

 Wasatch
 6560'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1700' - 6560' - Oil

4. **PROPOSED CASING PROGRAM:**

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at 290' (New) Production Casing:5-1/2" J-55, 15.5# w/LT&C collars; set at TD (New or used, inspected).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to Exhibit C for a diagram of BOP equipment that will be used on this well.

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

The well will be drilled with a fresh water/polymer system will be utilized. If necessary, to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. This fresh water system typically will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride nor chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

MUD PROGRAMMUD TYPESurface - 3200'fresh water3200' - TD'fresh water system

From about surface to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCL substitute additive. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite. No chromate additives will be used in the mud system.

Ten Point Well Program & Thirteen Point Well Program Page 2 of 7

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. TESTING, LOGGING AND CORING PROGRAMS:

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 290' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +-. A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered; or that any other abnormal hazards such as H2S will be encountered in this area.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that the drilling operations will commence the fourth quarter of 2006, and take approximately seven (7) days from spud to rig release.

Ten Point Well Program & Thirteen Point Well Program Page 3 of 7

NEWFIELD PRODUCTION COMPANY MONUMENT BUTTE STATE #N-36-8-16 NW/SW SECTION 36, T8S, R16E DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Monument Butte State N-36-8-16 located in the NW 1/4 SW 1/4 Section 36, T8S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 9.1 miles \pm to it's junction with an existing road to the southwest; proceed in a southwesterly direction - 2.4 miles \pm to the existing 12-36-8-16 well location. The proposed #N-36-8-16 will be drilled directionally off of the existing well pad.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

The is no proposed access road for this location. The proposed well will be drilled off of the existing 12-36-8-16 well pad. See attached **Topographic Map "B"**.

There will be no new gates or cattle guards required.

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

The proposed well will be drilled directionally off of the existing 12-36-8-16 well pad. There will be a pumping unit and a short flow line added to the existing tank battery for the proposed N-36-8-16.

It is anticipated that this well will be a producing oil well.

Ten Point Well Program & Thirteen Point Well Program Page 4 of 7

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Desert Tan. All facilities will be painted within six months of installation.

5. LOCATION AND TYPE OF WATER SUPPLY

Fresh water purchased from the Johnson Water District will be used for drilling. A temporary poly pipeline may be used for water transportation from our existing supply line from Johnson Water District, or trucked from Newfield Production Company's injection facilities – **EXHIBIT** A.

There will be no water well drilled at this site.

6. SOURCE OF CONSTRUCTION MATERIALS

The proposed Monument Butte State N-36-8-16 will be drilled off of the existing 12-36-8-16 well pad. No additional surface disturbance will be required for this location.

7. METHODS FOR HANDLING WASTE DISPOSAL

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** State of Utah

12. **OTHER ADDITIONAL INFORMATION:**

a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or

Ten Point Well Program & Thirteen Point Well Program Page 6 of 7

archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.

- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the Monument Butte State N-36-8-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Monument Butte State N-36-8-16 Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:

Representative

Name:

Shon McKinnon

Brad Mecham

Address:

Newfield Production Company

Newfield Production Company

Route 3, Box 3630

Route 3, Box 3630 Myton, UT 84052

Myton, UT 84052

(435) 646-4811

Telephone: (435) 6

(435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #N-36-8-16, NW/SW Section 36, T8S, R16E, LEASE #ML-22061, Duchesne County, Utah and is

Ten Point Well Program & Thirteen Point Well Program Page 7 of 7

responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4471291.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

June 16, 2006

Date

Mandie Crozier

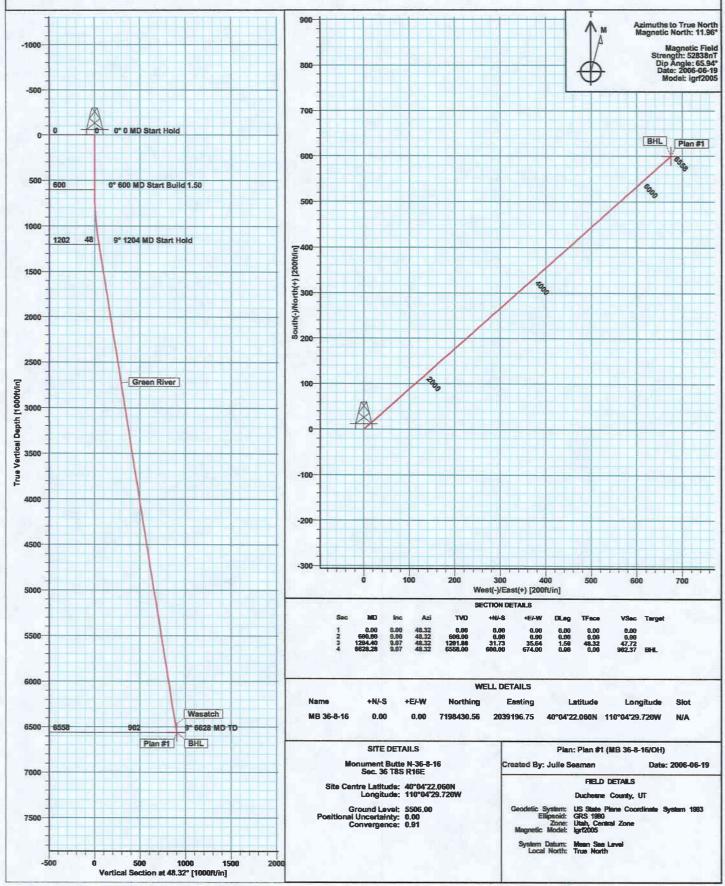
Regulatory Specialist
Newfield Production Company



Field: Duchesne County, UT Site: Monument Butte N-36-8-16 Well: MB 36-8-16

Wellpath: OH Plan: Plan #1

Newfield Exploration Co.





Jentific Drilling International Planning Report

Company: Newfield Exploration Co. Field: Duchesne County, UT

Monument Butte N-36-8-16

MB 36-8-16 Well: OH Wellpath:

Date: 2006-06-19

Time: 16:26:07

Co-ordinate(NE) Reference: Well: MB 36-8-16, True North GL 5506' & RKB 12' 5518.0

Page:

1

Section (VS) Reference:

Well (0.00N,0.00E,48.32Azi)

Plan #1

Site:

Duchesne County, UT

Map System: US State Plane Coordinate System 1983

Geo Datum: GRS 1980 Sys Datum: Mean Sea Level

Map Zone: Coordinate System: Geomagnetic Model:

Vertical (TVD) Reference:

Utah, Central Zone

Well Centre igrf2005

Site:

Monument Butte N-36-8-16

Sec. 36 T8S R16E

+E/-W

Site Position: Geographic From:

Northing: Easting:

7198430.56 ft 2039196.75 ft

Latitude: Longitude: North Reference:

Grid Convergence:

40 110

22.060 N 29.720 W True

Position Uncertainty: Ground Level:

0.00 ft 5506.00 ft

Slot Name:

0.91 deg

Well:

MB 36-8-16

SHL: 2054' FSL, 639' FWL +N/-S

0.00 ft Northing: 0.00 ft Easting:

7198430.56 ft 2039196.75 ft Latitude: Longitude:

40 22.060 N 110 4 29.720 W

Position Uncertainty:

0.00 ft

Drilled From:

Surface 0.00 ft

Wellpath: OH **Current Datum:** Magnetic Data: Field Strength:

Vertical Section:

Well Position:

GL 5506' & RKB 12'

2006-06-19

52838 nT Depth From (TVD)

+N/-S

Height 5518.00 ft

Tie-on Depth: Above System Datum: Declination:

Mean Sea Level 11.96 deg 65.94 deg

Mag Dip Angle: +E/~W ft

Direction deg 48.32

ft 0.00 0.00

6558.00

Date Composed:

2006-06-19

Principal: Yes

Plan:

Version: Tied-to:

From Surface

Plan Section Information

Plan #1

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W | DLS deg/100fl | Build deg/100ft | Turn deg/100ft | TFO deg | Target |
|----------|-------------|-------------|-----------|-------------|--------|------------------|--------------------|-------------------|------------|---|
| 0.00 | 0.00 | 48.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | *************************************** |
| 600.00 | 0.00 | 48.32 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1204.40 | 9.07 | 48.32 | 1201.88 | 31.73 | 35.64 | 1.50 | 1.50 | 0.00 | 48.32 | |
| 6628.28 | 9.07 | 48.32 | 6558.00 | 600.00 | 674.00 | 0.00 | 0.00 | 0.00 | 0.00 | BHL |

Section 1: Start Hold

| MD ft | Inci deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100fi | Build deg/100ft | Turn deg/100ft | TFO deg | |
|----------|-------------|-------------|-----------|-------------|-------------|----------|------------------|--------------------|-------------------|------------|--|
| 0.00 | 0.00 | 48.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 100.00 | 0.00 | 48.32 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48.32 | |
| 200.00 | 0.00 | 48.32 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48.32 | |
| 300.00 | 0.00 | 48.32 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48.32 | |
| 400.00 | 0.00 | 48.32 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48.32 | |
| 500.00 | 0.00 | 48.32 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48.32 | |
| 600.00 | 0.00 | 48.32 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 48.32 | |

Section 2: Start Build 1.50

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100ft | Build deg/100f | Turn t deg/100ft | TFO deg | |
|----------|-------------|-------------|-----------|-------------|-------------|----------|------------------|-------------------|---------------------|------------|--|
| 700.00 | 1.50 | 48.32 | 699.99 | 0.87 | 0.98 | 1.31 | 1.50 | 1.50 | 0.00 | 0.00 | |
| 800.00 | 3.00 | 48.32 | 799.91 | 3.48 | 3.91 | 5.23 | 1.50 | 1.50 | 0.00 | 0.00 | |
| 900.00 | 4.50 | 48.32 | 899.69 | 7.83 | 8.79 | 11.77 | 1.50 | 1.50 | 0.00 | 0.00 | |
| 1000.00 | 6.00 | 48.32 | 999.27 | 13.91 | 15.63 | 20.92 | 1.50 | 1.50 | 0.00 | 0.00 | |
| 1100.00 | 7.50 | 48.32 | 1098.57 | 21.73 | 24.41 | 32.68 | 1.50 | 1.50 | 0.00 | 0.00 | |
| 1204.40 | 9.07 | 48.32 | 1201.88 | 31.73 | 35.64 | 47.72 | 1.50 | 1.50 | 0.00 | 0.00 | |



Scientific Drilling International **Planning Report**

Company: Newfield Exploration Co. Field: **Duchesne County, UT**

Site: Monument Butte N-36-8-16

Well: MB 36-8-16 Wellpath: OH

Date: 2006-06-19 Time: 16:26:07 Co-ordinate(NE) Reference: Well: MB 36-8-16, True North Vertical (TVD) Reference: GL 5506' & RKB 12' 5518.0 Section (VS) Reference: Well (0.00N,0.00E,48.32Azi)

Page:

Plan:

Plan #1

| Section | 3 | • | Start | Hold |
|---------|---|---|-------|------|

| | | d | *************************************** | | | | | | | |
|-------|--------------|----------------|---|------------------------------|------------------|------------------|--------------|--------------|--------------|------|
| MD | Incl | Azim | TVD | +N/-S | +E/-W | VS | DLS | Build | Turn | TFO |
| ft | deg | deg | ft | ft | ft | ft | deg/100ff | deg/100ft | deg/100ft | deg |
| 0.00 | 9.07 | 48.32 | 1296.29 | 41.74 | 46.89 | 62.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 00.00 | 9.07 | 48.32 | 1395.04 | 52.22 | 58.66 | 78.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| 00.00 | 9.07 | 48.32 | 1493.79 | 62.70 | 70.43 | 94.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 00.00 | 9.07 | 48.32 | 1592.54 | 73.18 | 82.20 | 110.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | 9.07 | 48.32 | 1691.29 | 83.65 | 93,97 | 125.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | 9.07 | 48.32 | 1790.04 | 94.13 | 105.74 | 141.57 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 1888.79 | 104.61 | 117.51 | 157.33 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 1987.54 | 115.09 | 129.28 | 173.08 | 0.00 | 0.00 | 0.00 | 0.0 |
| 0.00 | 9.07 | 48.32 | 2086.29 | 125.56 | 141.05 | 188.84 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 2185.04 | 136.04 | 152.82 | 204.60 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 2283.79 | 146.52 | 164.59 | 220.35 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 2382.54 | 156.99 | 176,36 | 236.11 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 2481.30 | 167.47 | 188.13 | 251.87 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 2580.05 | 177.95 | 199,90 | 267.63 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 2678.80 | 188.43 | 211.66 | 283,38 | 0.00 | 0.00 | 0.00 | 0.0 |
| 14.76 | 9.07 | 48.32 | 2723.00 | 193.12 | 216.93 | 290.44 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 2777.55 | 198.90 | 223.43 | 299.14 | 0.00 | 0.00 | 0.00 | 0.0 |
| 0.00 | 9.07 | 48.32 | 2876.30 | 209.38 | 235.20 | 314.90 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 2975.05 | 219.86 | 235.20 246.97 | 330.66 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 3073.80 | 230.33 | 246.97 258.74 | 346.41 | | | | |
| 0.00 | 9.07 | 48.32 | 3172.55 | 240.81 | 270.51 | 346.41 362,17 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 3271.30 | 251.29 | 282.28 | 377.93 | | | | |
| 00.00 | 9.07 | 48.32 | 3370.05 | 261.2 9 261.77 | | | 0.00 | 0.00 | 0.00 | 0.0 |
| 0.00 | 9.07 | 48.32 | 3468.80 | 272.24 | 294.05 | 393.68 | 0.00 | 0.00 | 0.00 | 0.0 |
| 0.00 | 9.07 | 48.32 48.32 | 3567.55 | 212.2 4 282.72 | 305.82 317.59 | 409.44 | 0.00 | 0.00 | 0.00 | 0.0 |
| 0.00 | 9.07 | 48.32 | 3666.30 | 293.20 | 329.36 | 425.20 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | | | | 440.96 456.74 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 48.32 | 3765.06 3863.81 | 303.68 | 341.13 | 456.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0.00 | 9.07 | 48.32 | 3962.56 | 314.15 | 352.90 | 472.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 00.00 | 9.07 | 48.32 | 4061.31 | 324.63 | 364.67 | 488.23 | 0.00 | 0.00 | 0.00 | 0.0 |
| 0.00 | 9.07 | 48.32 | | 335.11 | 376.44 | 503.99 | 0.00 | 0.00 | 0.00 | 0.0 |
| 0.00 | 9.07 | 48.32 | 4160.06 4258.81 | 345.58 | 388.21 | 519.74 | 0.00 | 0.00 | 0.00 | 0.0 |
| | | | | 356.06 | 399.98 | 535.50 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 9.07 | 48.32 | 4357.56 | 366.54 | 411.74 | 551.26 | 0.00 | 0.00 | 0.00 | 0.0 |
| | | 48.32 | 4456.31 | 377.02 | 423.51 | 567.01 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 4555.06 | 387.49 | 435.28 | 582.77 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 4653.81 | 397.97 | 447.05 | 598.53 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 4752.56 | 408.45 | 458.82 | 614.29 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 4851.31 | 418.92 | 470.59 | 630.04 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 4950.06 | 429.40 | 482.36 | 645.80 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 5048.81 | 439.88 | 494.13 | 661.56 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 5147.57 | 450.36 | 505.90 | 677.32 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 5246.32 | 460.83 | 517.67 | 693.07 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 5345.07 | 471.31 | 529.44 | 708.83 | 0.00 | 0.00 | 0.00 | 0.0 |
| 0.00 | 9.07 | 48.32 | 5443.82 | 481.79 | 541.21 | 724.59 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 5542.57 | 492.27 | 552.98 | 740.34 | 0.00 | 0.00 | 0.00 | 0.0 |
| 0.00 | 9.07 | 48.32 | 5641.32 | 502.74 | 564.75 | 756.10 | 0.00 | 0.00 | 0.00 | 0.0 |
| 00.00 | 9.07 | 48.32 | 5740.07 | 513.22 | 576.52 | 771.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 00.00 | 9.07 | 48.32 | 5838.82 | 523.70 | 588.29 | 787.62 | 0.00 | 0.00 | 0.00 | 0.0 |
| 0.00 | 9.07 | 48.32 | 5937.57 | 534.17 | 600.06 | 803.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 00.00 | 9.07 | 48.32 | 6036.32 | 544.65 | 611.82 | 819.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 00.00 | 9.07 | 48.32 | 6135.07 | 555.13 | 623.59 | 834.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 00.00 | 9.07 | 48.32 | 6233.82 | 565.61 | 635.36 | 850.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 00.00 | 9.07 | 48.32 | 6332.57 | 576.08 | 647.13 | 866.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 00.00 | 9.07 | 48.32 | 6431.33 | 586.56 | 658.90 | 882.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 42.20 | 9.07 | 48.32 | 6473.00 | 590.98 | 663.87 | 888.81 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 9.07 | 48.32 | 6530.08 | 597.04 | 670.67 | 897.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| .00 | 9.07 | 48.32 | 6558.00 | 600.00 | 674.00 | 902.37 | 0.00 | 0.00 | 0.00 | 0.00 |



Scientific Drilling International **Planning Report**

Company: Newfield Exploration Co. Field: Duchesne County, UT

Monument Butte N-36-8-16

Well: MB 36-8-16 Wellpath: OH

Site:

Date: 2006-06-19 Time: 16:26:07
Co-ordinate(NE) Reference: Well: MB 36-8-16, True North
Vertical (TVD) Reference: GL 5506' & RKB 12' 5518.0
Well (0.00N,0.00E,48.32Azi)

Page:

Plan:

| MID ft | Incl deg | Azim deg | TVD ft | +N/-S ft | + E/-W ft | VS ft | DLS deg/100f | Build t deg/100f | Turn t deg/100ft | Tool/Comment |
|-----------|-------------|--------------------|-----------|-------------|---------------------|---------------|-----------------|---------------------|---------------------|--------------|
| 0.00 | 0.00 | 48.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ····· |
| 00.00 | 0.00 | 48.32 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | AMAID |
| 00.00 | 0.00 | 48.32 | 200.00 | | | | | | | MWD |
| | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 0.00 | 48.32 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 0.00 | 48.32 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 0.00 | 48.32 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 0.00 | 48.32 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 1.50 | 48.32 | 699.99 | 0.87 | 0.98 | 1.31 | 1.50 | 1.50 | 0.00 | MWD |
| 00.00 | 3.00 | 48.32 | 799.91 | 3.48 | 3.91 | 5.23 | | | | |
| 00.00 | 4.50 | 48.32 | 899.69 | 7.83 | 8.79 | 5.23 11.77 | 1.50 1.50 | 1.50 1.50 | 0.00 0.00 | MWD MWD |
| | | 10.02 | 000.00 | 1.00 | 0.75 | 11.77 | 1.50 | 1.50 | 0.00 | MAC |
| 00.00 | 6.00 | 48.32 | 999.27 | 13.91 | 15.63 | 20.92 | 1.50 | 1.50 | 0.00 | MWD |
| 00.00 | 7.50 | 48.32 | 1098.57 | 21.73 | 24.41 | 32.68 | 1.50 | 1.50 | 0.00 | MWD |
| 04.40 | 9.07 | 48.32 | 1201.88 | 31.73 | 35.64 | 47.72 | 1.50 | 1.50 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 1296.29 | 41.74 | 46.89 | 62.78 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 1395.04 | 52.22 | 58.66 | 78.54 | 0.00 | 0.00 | 0.00 | MWD |
| ነስ ሰሳ | 0.07 | 40.22 | 4402.70 | 60.70 | 70.40 | 04.00 | 0.00 | 0.00 | 0.00 | 1 41 4 1 To |
| 00.00 | 9.07 | 48.32 | 1493.79 | 62.70 | 70.43 | 94.30 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 1592.54 | 73.18 | 82.20 | 110.05 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 1691.29 | 83.65 | 93.97 | 125.81 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 1790.04 | 94.13 | 105.74 | 141.57 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 1888.79 | 104.61 | 117.51 | 157.33 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 1987,54 | 115.09 | 129.28 | 173.08 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 2086.29 | 125.56 | 141.05 | 188.84 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 2185.04 | 136.04 | 152.82 | 204.60 | 0.00 | | | |
| 00.00 | 9.07 | 48.32 | 2283.79 | 146.52 | | | | 0.00 | 0.00 | MWD |
| | | | | | 164.59 | 220.35 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 2382.54 | 156.99 | 176.36 | 236.11 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 2481.30 | 167.47 | 188.13 | 251.87 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 2580.05 | 177.95 | 199.90 | 267.63 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 2678.80 | 188.43 | 211.66 | 283.38 | 0.00 | 0.00 | 0.00 | MWD |
| 14.76 | 9.07 | 48.32 | 2723.00 | 193.12 | 216.93 | 290.44 | 0.00 | 0.00 | 0.00 | Green River |
| 00.00 | 9.07 | 48.32 | 2777.55 | 198.90 | 223.43 | 299.14 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 0.0~ | 40.00 | 0070 00 | 000 | | | | | | |
| 00.00 | 9.07 | 48.32 | 2876.30 | 209.38 | 235.20 | 314.90 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 2975.05 | 219.86 | 246.97 | 330.66 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 3073.80 | 230.33 | 258.74 | 346.41 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 3172.55 | 240.81 | 270.51 | 362.17 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 3271.30 | 251.29 | 282.28 | 377.93 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 3370.05 | 261.77 | 294.05 | 393.68 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 3468.80 | 272.24 | 305.82 | 409.44 | 0.00 | 0.00 | | MWD |
| 00.00 | 9.07 | 48.32 | 3567.55 | 282.72 | | | | | 0.00 | |
| | | | | | 317.59 | 425.20 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 3666.30 | 293.20 | 329.36 | 440.96 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 3765.06 | 303.68 | 341.13 | 456.71 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 3863.81 | 314.15 | 352.90 | 472.47 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 3962.56 | 324.63 | 364.67 | 488.23 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 4061.31 | 335.11 | 376.44 | 503.99 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 4160.06 | 345.58 | 388.21 | 519.74 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 4258.81 | 356.06 | 399.98 | 535.50 | 0.00 | | | |
| UU,UU | J.U1 | 40.02 | 4200.01 | 300.00 | J33.30 | JJJ.5U | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 4357.56 | 366.54 | 411.74 | 551.26 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 4456.31 | 377.02 | 423.51 | 567.01 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 4555.06 | 387.49 | 435.28 | 582.77 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 4653.81 | 397.97 | 447.05 | 598.53 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 4752.56 | 408.45 | 458.82 | 614.29 | 0.00 | 0.00 | 0.00 | MWD |
| | 0.07 | 40.00 | 4054.04 | | | | | | | |
| 00.00 | 9.07 | 48.32 | 4851.31 | 418.92 | 470.59 | 630.04 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 4950.06 | 429.40 | 482.36 | 645.80 | 0.00 | 0.00 | 0.00 | MWD |
| 00.00 | 9.07 | 48.32 | 5048.81 | 439.88 | 494.13 | 661.56 | 0.00 | 0.00 | 0.00 | MWD |
| 0.00 | 9.07 | 48.32 | 5147.57 | 450.36 | 505.90 | 677.32 | 0.00 | 0.00 | 0.00 | MWD |



Scientific Drilling International **Planning Report**

Company: Newfield Exploration Co. Field:

Duchesne County, UT Monument Butte N-36-8-16 MB 36-8-16 Site:

Well: Wellpath: OH Date: 2006-06-19

Time: 16:26:07

Co-ordinate(NE) Reference: Well: MB 36-8-16, True North
Vertical (TVD) Reference: GL 5506' & RKB 12' 5518.0
Section (VS) Reference: Well (0.00N,0.00E,48.32Azi)

Page:

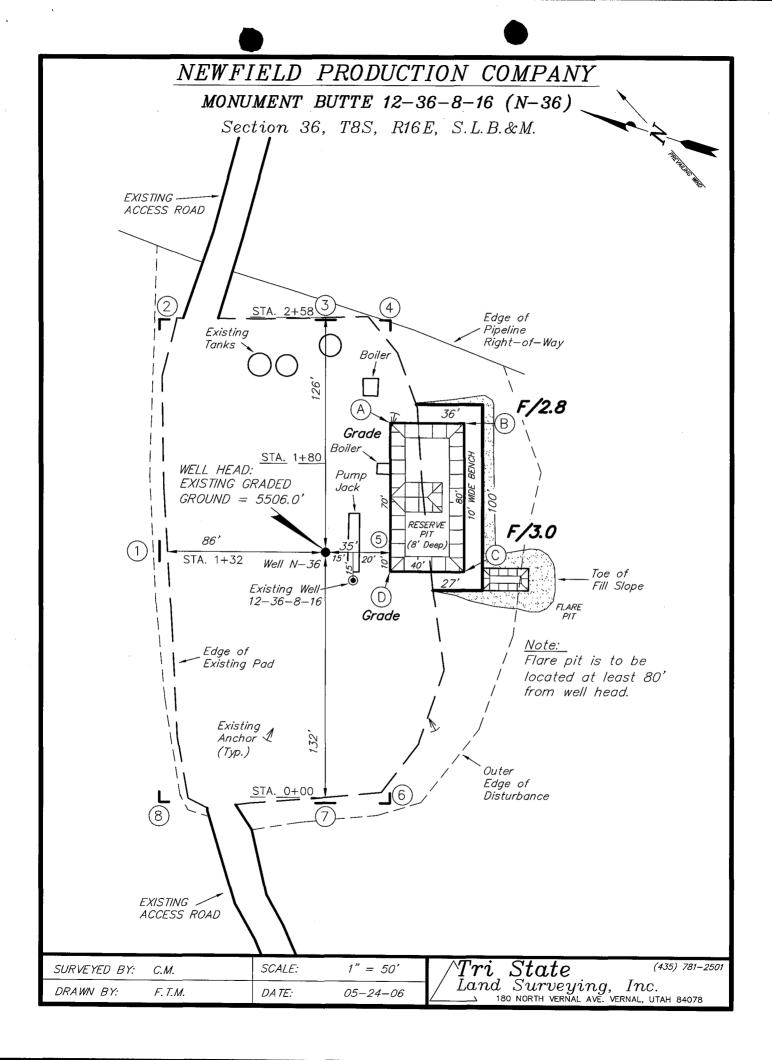
| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100f | Baild t deg/100f | Turn t deg/100ft | Teol/Comment |
|----------|-------------|-------------|-----------|-------------|-------------|----------|-----------------|----------------------------|---------------------|--------------|
| 5300.00 | 9.07 | 48.32 | 5246.32 | 460.83 | 517.67 | 693.07 | 0.00 | 0.00 | 0.00 | MWD |
| 5400.00 | 9.07 | 48.32 | 5345.07 | 471.31 | 529.44 | 708.83 | 0.00 | 0.00 | 0.00 | MWD |
| 5500.00 | 9.07 | 48.32 | 5443.82 | 481.79 | 541.21 | 724.59 | 0.00 | 0.00 | 0.00 | MWD |
| 5600.00 | 9.07 | 48.32 | 5542.57 | 492.27 | 552.98 | 740.34 | 0.00 | 0.00 | 0.00 | MWD |
| 5700.00 | 9.07 | 48.32 | 5641.32 | 502.74 | 564.75 | 756.10 | 0.00 | 0.00 | 0.00 | MWD |
| 5800.00 | 9.07 | 48.32 | 5740.07 | 513.22 | 576.52 | 771.86 | 0.00 | 0.00 | 0.00 | MWD |
| 5900.00 | 9.07 | 48.32 | 5838.82 | 523.70 | 588.29 | 787.62 | 0.00 | 0.00 | 0.00 | MWD |
| 6000.00 | 9.07 | 48.32 | 5937.57 | 534.17 | 600.06 | 803.37 | 0.00 | 0.00 | 0.00 | MWD |
| 6100.00 | 9.07 | 48.32 | 6036.32 | 544.65 | 611.82 | 819.13 | 0.00 | 0.00 | 0.00 | MWD |
| 6200.00 | 9.07 | 48.32 | 6135.07 | 555.13 | 623.59 | 834.89 | 0.00 | 0.00 | 0.00 | MWD |
| 6300.00 | 9.07 | 48.32 | 6233.82 | 565.61 | 635.36 | 850.64 | 0.00 | 0.00 | 0.00 | MWD |
| 6400.00 | 9.07 | 48.32 | 6332.57 | 576.08 | 647.13 | 866.40 | 0.00 | 0.00 | 0.00 | MWD |
| 6500.00 | 9.07 | 48.32 | 6431.33 | 586.56 | 658.90 | 882.16 | 0.00 | 0.00 | 0.00 | MWD |
| 6542.20 | 9.07 | 48.32 | 6473.00 | 590.98 | 663.87 | 888.81 | 0.00 | 0.00 | 0.00 | Wasatch |
| 6600.00 | 9.07 | 48.32 | 6530.08 | 597.04 | 670.67 | 897.92 | 0.00 | 0.00 | 0.00 | MWD |
| 6628.28 | 9.07 | 48.32 | 6558.00 | 600.00 | 674.00 | 902.37 | 0.00 | 0.00 | 0.00 | BHL |

Targets

| Name | Description Dip. | Dir. | TVD ft | +N/-S ft | +E/-W ft | Map Northing ft | Map Easting ft | | Latitude —> Min Sec | | Longitude> Min Sec |
|--------------------------|---------------------|------|-----------|-------------|-------------|-----------------------|----------------------|----|------------------------|-----|-----------------------|
| BHL. -Plan hit target | 1 | | 6558.00 | 600.00 | 674.00 | 7199041.232 | 039861.10 | 40 | 4 27.990 N | 110 | 4 21.049 W |

Formations

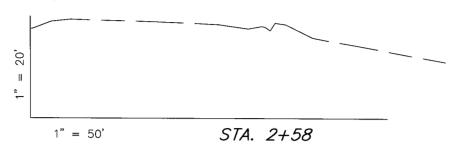
| MD ft | TVD ft | Formations | Lithology | Dip Angle deg | Dip Direction deg |
|----------|-----------|-------------|-----------|------------------|----------------------|
| 2744.76 | 2723.00 | Green River | | 0.00 | 0.00 |
| 6542.20 | 6473.00 | Wasatch | | 0.00 | 0.00 |

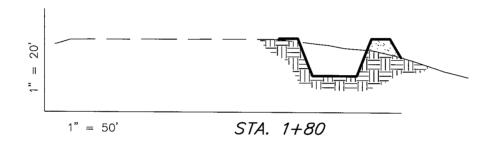


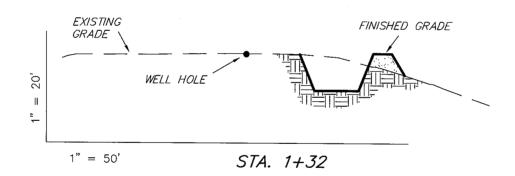
NEWFIELD PRODUCTION COMPANY

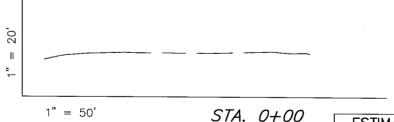
CROSS SECTIONS

MONUMENT BUTTE 12-36-8-16 (N-36)









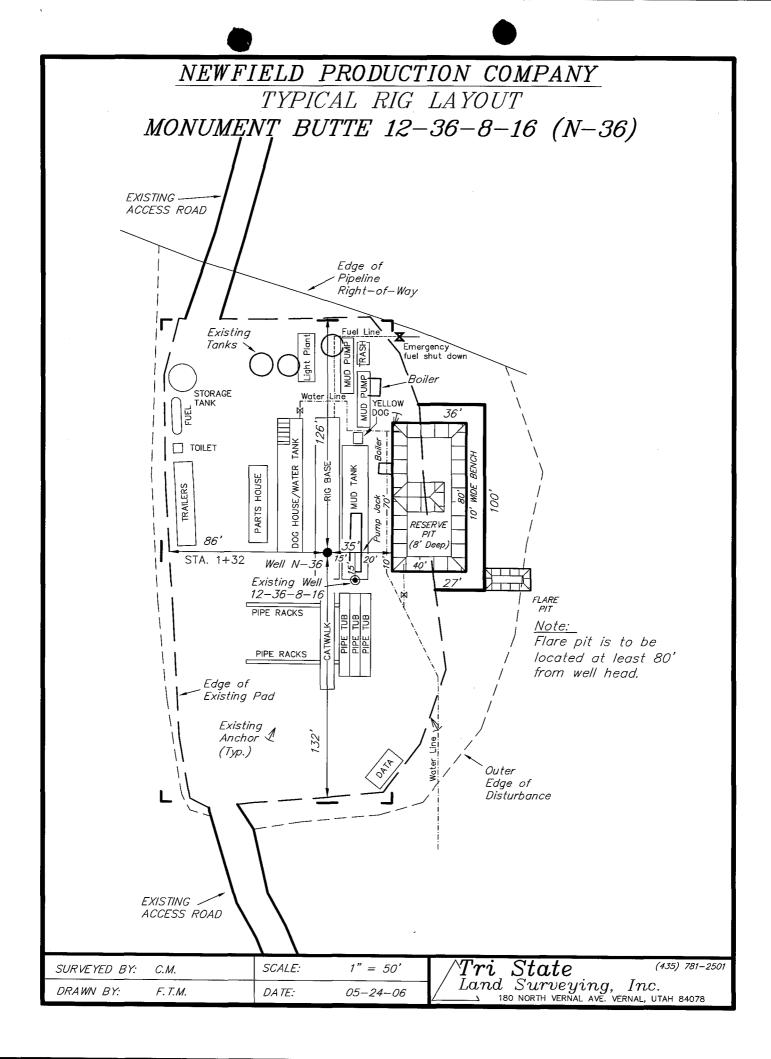
NOTE: UNLESS OTHERWISE NOTED ALL CUT/FILL SLOPES ARE AT 1.5:1

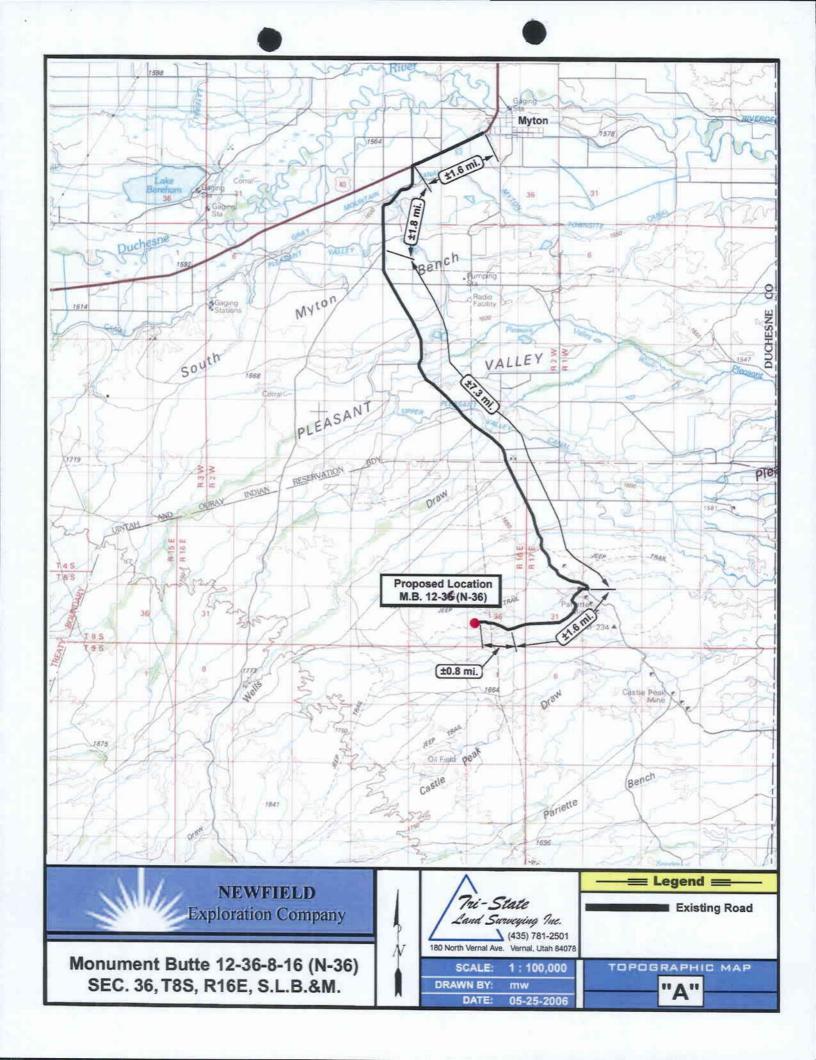
ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

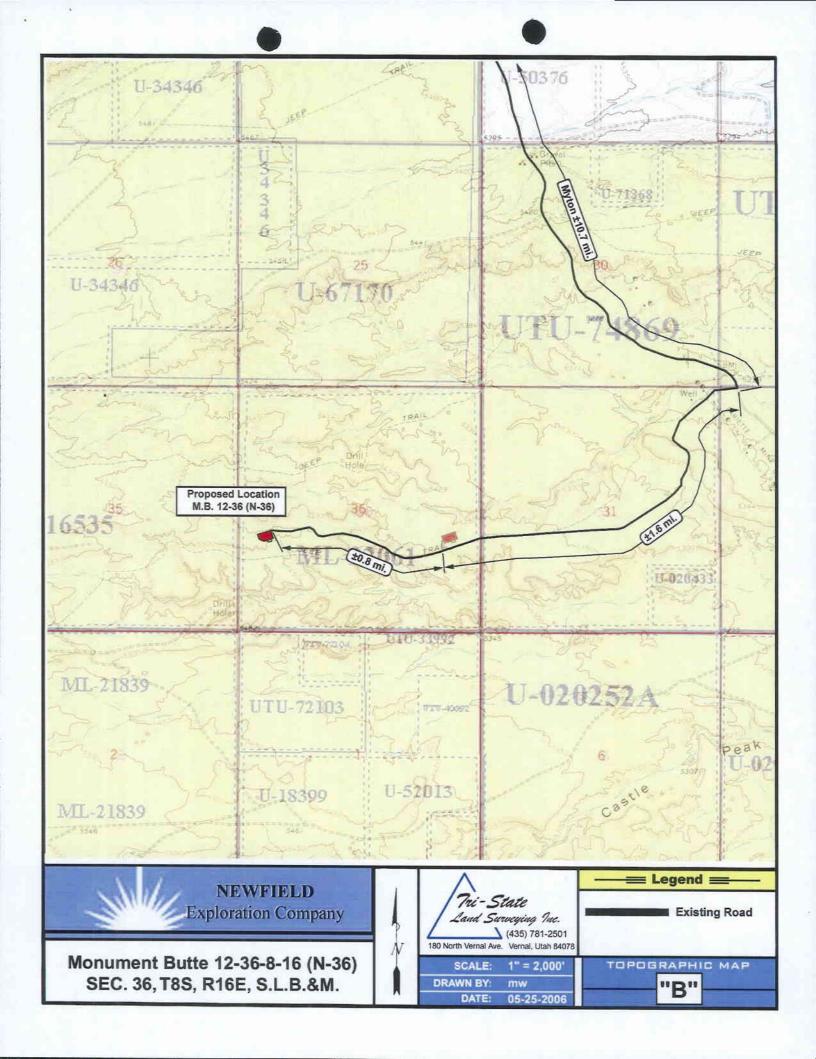
| ITEM | CUT | FILL | 6" TOPSOIL | EXCESS |
|--------|------|------|-------------------------|--------|
| PAD | -160 | 380 | Topsoil is not included | -540 |
| PIT | 640 | 0 | in Pad Cut | 640 |
| TOTALS | 480 | 380 | N/A | 100 |

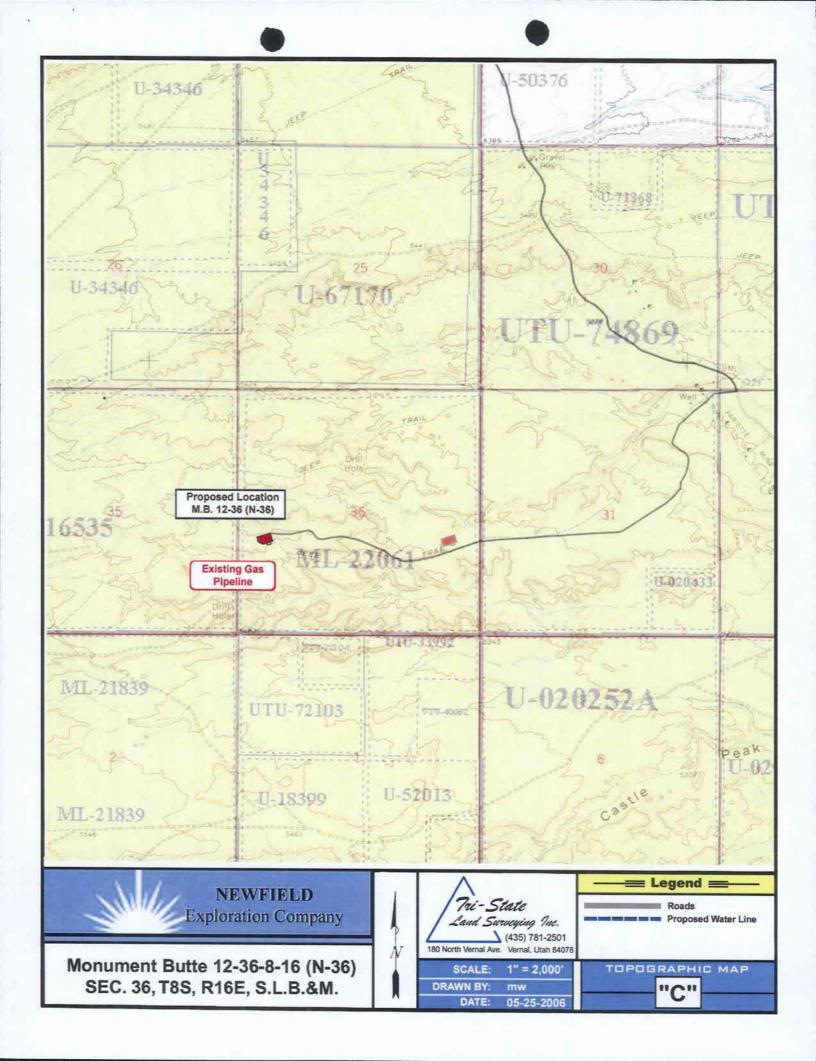
| SURVEYED BY: | C.M. | SCALE: | 1" = 50' |
|--------------|---------|--------|----------|
| DRAWN BY: | F. T.M. | DATE: | 05-24-06 |

| riangle Tri $State$ | (435) 781-2501 |
|------------------------|----------------|
| /YITT STATE | (433) 701-2301 |
| | |
| / Land Samusaina | I 20. 0 |
| / Land Surveying, | ITIC. |
| 180 NORTH VERNAL AVE V | |

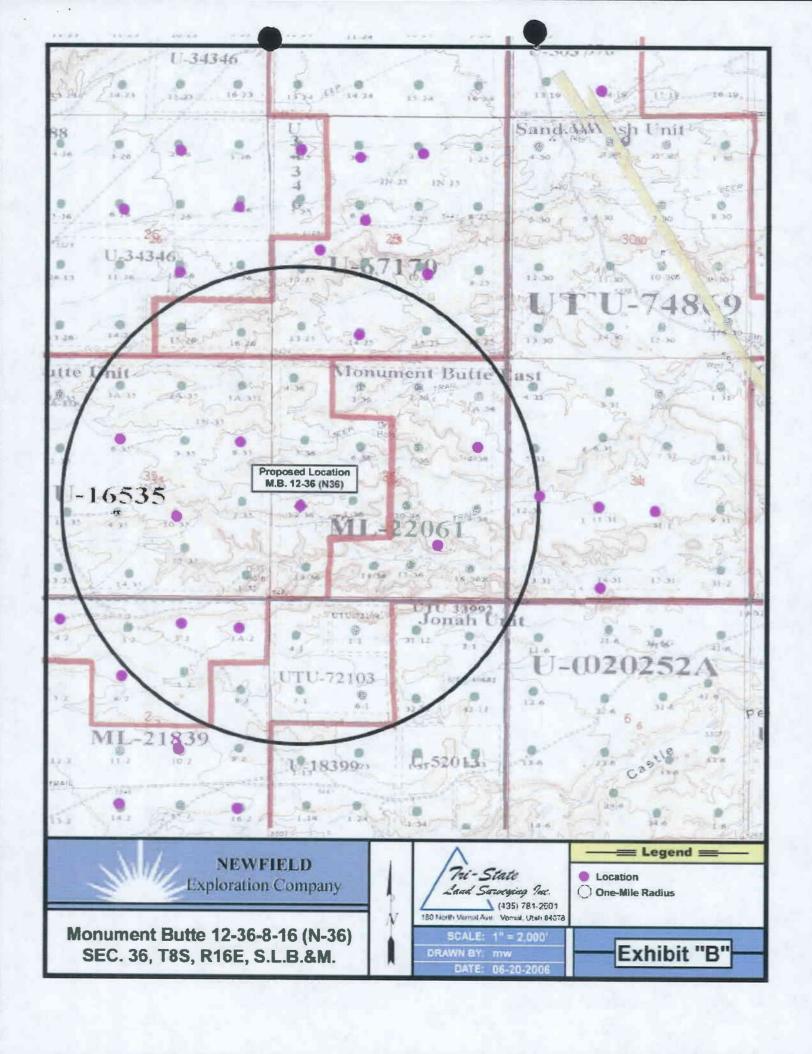








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| 18 | 15 | | 4 13 | | e i | 20 | 4S-R2V | | 14 | 13 | 10. | 17 | 14 T4S- | R1W | | 14 | 12 | 18 | 17 | 18 | Drilling Weiting on Co Producing Oil Producing Ge | Well s Well |
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| 23 | 27 | 2 | ĝ 25 | | 10 an | 29 20 | Estration 22 Hawkeyn | 2 1 60 00 | Monument Butte & 12-24 (1-24 | 4-10 3-19 415-18 0-18 11-18 | 20 620 1/20 | 20 12-21 10- | 1 621 Las | 12 12 12 12 12 12 12 12 12 12 12 12 12 1 | n in in In in | 24 231 231 132 1331 231 | 10 | 20 20 | 29 | 20 | ✓ Water Source ✓ Water Dispose ☑ Injection Statis UnitOutlines | ni Weli |
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| | я | 25 | 36 | 31 | 32 | 23 | 34 | 35 | 36 | 39 | 12 | 23 | 3 | 4 | 35 | 41.5 28 | 31 | 22 | 33 | | NEWFIELI ROCKY MOUNTAIN | |
| Γ10 | S-RI | 5E | 4 | đ | 5 | 4 | 3 | T10S-R | 16E | . 11 | S-R17 | Ε. | | , | 2 | | T10 | 0S-R18 | E . | Aloren Place Builds 1401 17th Street B. Gernary Common S Promer (365) 863-6 | Exhibit A Ducheme & Ulmah Caust Mattee Anates | Becargo (A. 2004 |



2-M SYSTEM

Blowout Prevention Equipment Systems

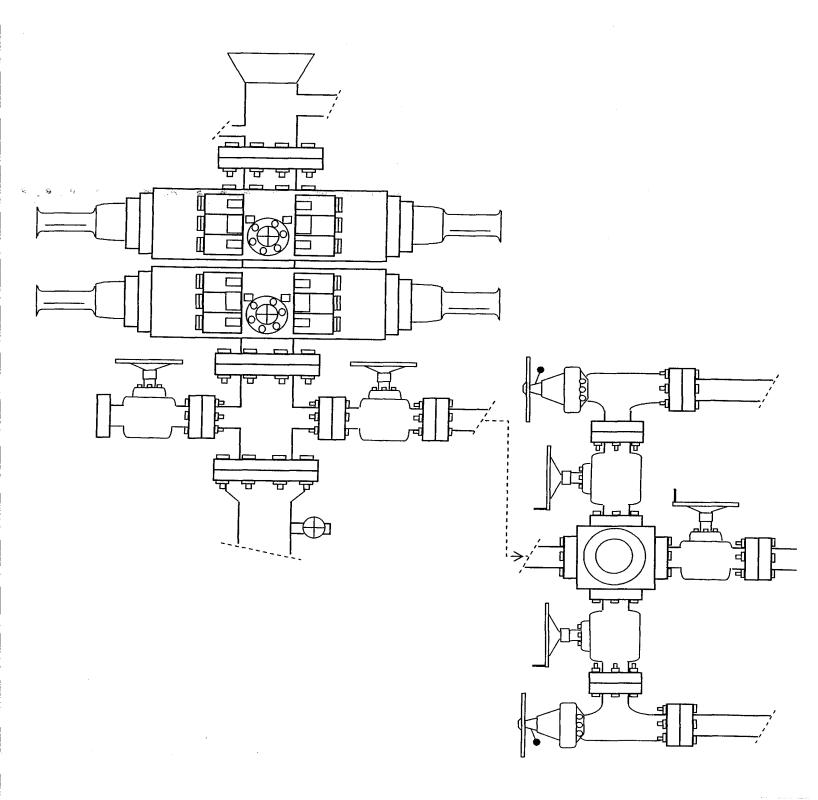
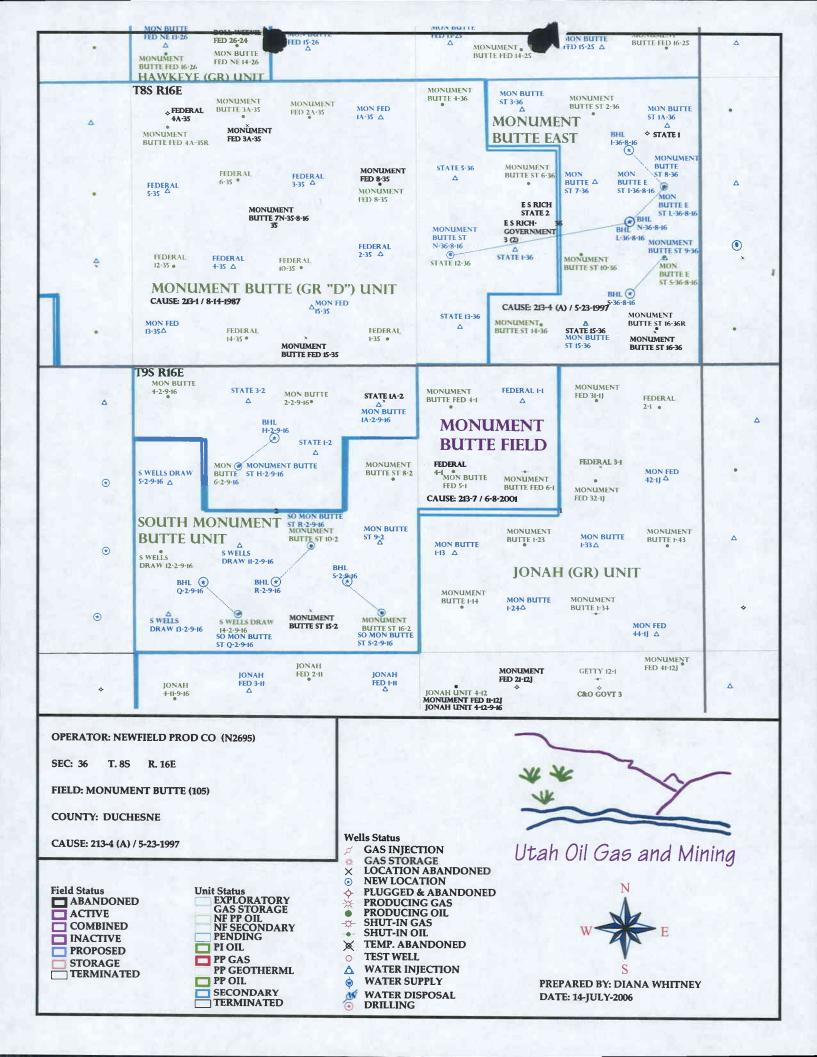


EXHIBIT C

| APD RECEIVED: 06/23/2006 | API NO. ASSIGNED: 43-013-33223 | | | | | |
|---|---|--|--|--|--|--|
| WELL NAME: MONUMENT BUTTE ST N-36-8-16 OPERATOR: NEWFIELD PRODUCTION (N2695) CONTACT: MANDIE CROZIER | PHONE NUMBER: 435-646-3721 | | | | | |
| PROPOSED LOCATION: | INSPECT LOCATN BY: / / | | | | | |
| NWSW 36 080S 160E | Tech Review Initials Date | | | | | |
| SURFACE: 2064 FSL 0639 FWL BOTTOM: 2654 FSL 1313 FEL | Engineering DKD 7/20/06 | | | | | |
| COUNTY: DUCHESNE | Geology | | | | | |
| LATITUDE: 40.07279 LONGITUDE: -110.0742 UTM SURF EASTINGS: 578945 NORTHINGS: 44360 | Surface | | | | | |
| FIELD NAME: MONUMENT BUTTE (105 LEASE TYPE: 3 - State LEASE NUMBER: ML-22061 SURFACE OWNER: 3 - State | PROPOSED FORMATION: GRRV COALBED METHANE WELL? NO | | | | | |
| Plat Bond: Fed[] Ind[] Sta[] Fee[] (No. B001834) Potash (Y/N) Oil Shale 190-5 (B) or 190-3 or 190-13 Water Permit (No. MUNICIPAL) RDCC Review (Y/N) (Date:) Fee Surf Agreement (Y/N) Intent to Commingle (Y/N) | LOCATION AND SITING: R649-2-3. Unit: MONUMENT BUTTE EAST R649-3-2. General Siting: 460 From Qtr/Qtr & 920' Between Wells R649-3-3. Exception Drilling Unit Board Cause No: 2/3-4(h) Eff Date: 5-23-1997 Siting: Suspends Graph Old this R649-3-11. Directional Drill | | | | | |
| COMMENTS: Needs Presite (07- STIPULATIONS: 1- STA | EMENT OF BASIS | | | | | |



DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

| Newfield Production Company |
|---|
| Monument Butte State #N-36-8-16 |
| 43-013-33223 |
| : <u>36</u> TWP: <u>08S</u> RNG: <u>16E</u> <u>2064</u> FSL <u>639</u> FWL |
| |
| face casing at this location. The depth to the base of the moderately saline be at a depth of 400'. A search of Division of Water Rights records shows radius of the proposed location. The surface formation at this site is the ion is made up of interbedded shales and sandstones. The sandstones are and should not be a significant source of useable ground water. The n should adequately protect any useable ground water and nearby wells. |
| HillDate:07/19/06 |
| |
| his presite with Newfield and was therefore the person who contacted SITLA ate and time. SITLA did not attend, as this well is staked on an existing location reviously disturbed lands. Newfield plans to re-open the same reserve pit area 16 well. The operator has requested they be allowed to drill without a pit liner to Disposal Plan. As stated, if insufficient fine clay or silt is not present, or if ing of the surface hole they should line the pit. Furthermore, the west side of m in fill. The operator shall take any preventative actions to prevent any leaks is is a directional well with the bottom hole location target of SW, 2654' FSL; Ben Williams with UDWR did mention that this area is critical antelope habitat. |
| S L Ingram Date: July 17, 2006 |
| |

None.

Conditions of Approval/Application for Permit to Drill:

ON-SITE PREDRILL EVALUATION Division of Oil, Gas and Mining

OPERATOR: Newfield Production Company

WELL NAME & NUMBER: Monument Butte State #N-36-8-16

API NUMBER: 43-013-33223

LEASE: ML-22061 SITLA FIELD/UNIT: Monument Butte

LOCATION: 1/4,1/4 NW/SW **Sec:** 36 **TWP:** 08S **RNG:** 16E 2064 FSL 639 FWL

LEGAL WELL SITING: General siting suspended.

GPS COORD (UTM): X =0578952 E; Y =4436041 N SURFACE OWNER: SITLA

PARTICIPANTS

Dennis L Ingram (DOGM) Ben Williams (UDWR) Shon Mckinnon (Newfield)

REGIONAL/LOCAL SETTING & TOPOGRAPHY

New well bore proposed on existing location in the old Monument Butte Field, accessed south of US Highway 40, 1.6 miles southwest of Myton, Utah, then south 1.8 miles down the Wells Draw Road, left on the Pleasant Valley Road another 7.3 miles then turn west for 2.4 miles. The existing well pad is on a broad east/west ridge that has a canyon to the south and one to the northeast that drain eastward into Pleasant Valley. This section was one of the first injection/flood type production systems introduced by Lomax years ago.

SURFACE USE PLAN

CURRENT SURFACE USE: Existing oil well, the 12-36-8-16

PROPOSED SURFACE DISTURBANCE: Existing location with new dirt work into previously remediated lands,

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: There are 49 oil and or injection wells within a one mile radius.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: Existing tanks and production facilities already on location, a pump jack will added along with a short flowlines.

SOURCE OF CONSTRUCTION MATERIAL: Native cut and fill using borrowed material

ANCILLARY FACILITIES: None requested

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS? (EXPLAIN): NO

WASTE MANAGEMENT PLAN:

Submitted to the Division with the Application to Drill

ENVIRONMENTAL PARAMETER

AFFECTED FLOODPLAINS AND/OR WETLANDS: None, a dry drainage located approximately 4 mile south of location that runs east.

FLORA/FAUNA: Shadscale community, sparse; antelope range, coyote and rabbit.

SOIL TYPE AND CHARACTERISTICS: Light tan sandy loam with some clays present and underlying sandstone

SURFACE FORMATION & CHARACTERISTICS: Uinta Formation

EROSION/SEDIMENTATION/STABILITY: existing location, little or no new erosion problems or sedimentation, no stability problems.

PALEONTOLOGICAL POTENTIAL: None observe, little to no new disturbance.

RESERVE PIT

CHARACTERISTICS: Proposed on the south side of location, mostly cut into the old reserve pit measuring 80'x 40'x 8' deep

LINER REQUIREMENTS (Site Ranking Form attached): 15 points, construct in old pit, no blasting, doubtful any ground water, liner is optional

SURFACE RESTORATION/RECLAMATION PLAN

| | Reshape, | contour | and | seed | surface | unless | otherwise | authorized | by | SITLA |
|-------|-----------|---------|-----|------|---------|--------|-----------|------------|----|-------|
| SURFA | CE AGREEM | IENT: Y | es | | | | | | | |

CULTURAL RESOURCES/ARCHAEOLOGY: Previously done, no new disturbance outside of the old reclamation.

OTHER OBSERVATIONS/COMMENTS

Existing location, broad east/west ridge, dry canyons found to the north and south of the location, old Mountain Fuel compressor 4 mile east of site, also has the Questar Gas gathering and metering system there, surface is relatively flat but does dip to the south on the southern portion of the reserve pit area.

ATTACHMENTS

Photos of this location were taken and placed on file.

Dennis L. Ingram
DOGM REPRESENTATIVE

July 13, 2006 09:30 AM

DATE/TIME

| Site-Specific Factors | Ranking | Site Ranking |
|--|--------------------|--------------|
| Distance to Groundwater (feet) >200 100 to 200 75 to 100 | 0 5 10 | |
| 25 to 75 <25 or recharge area | 15 20 | 0 |
| Distance to Surf. Water (feet) >1000 300 to 1000 200 to 300 100 to 200 | 0 2 10 15 | |
| < 100 | 20 | 0 |
| Distance to Nearest Municipal Well (feet) >5280 1320 to 5280 | 0 5 | |
| 500 to 1320 <500 | 10 20 | 0 |
| Distance to Other Wells (feet) >1320 300 to 1320 <300 | 0 10 20 | 0 |
| Native Soil Type | 20 | 0 |
| Low permeability Mod. permeability High permeability | 0 10 20 | 10 |
| Fluid Type Air/mist Fresh Water TDS >5000 and <10000 TDS >10000 or Oil Base Mud Fluid containing significant levels of | 0 5 10 15 | |
| hazardous constituents | 20 | 5 |
| Drill Cuttings Normal Rock Salt or detrimental | 0 10 | 0 |
| Annual Precipitation (inches) <10 | 0 | |
| 10 to 20 >20 | 5 10 | 0 |
| Affected Populations <10 | 0 | |
| 10 to 30 30 to 50 >50 | 6 8 10 | 0 |
| Presence of Nearby Utility Conduits | | |
| Not Present Unknown Present | 0 10 15 | 0 |
| | | |

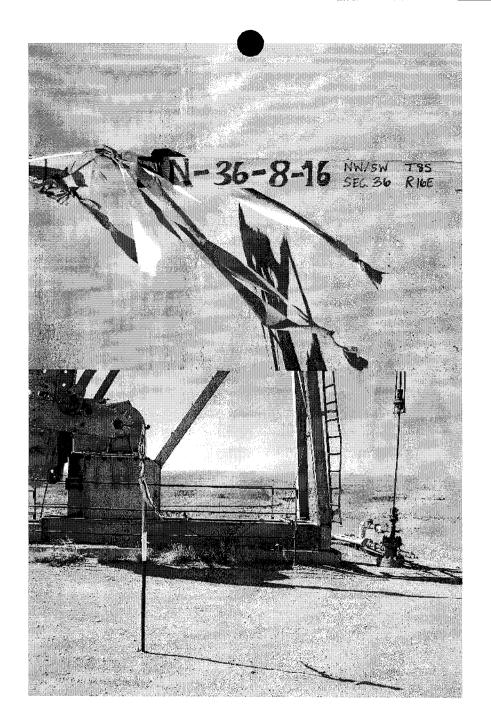
Sensitivity Level I = 20 or more; total containment is required, consider criteria for excluding pit use.

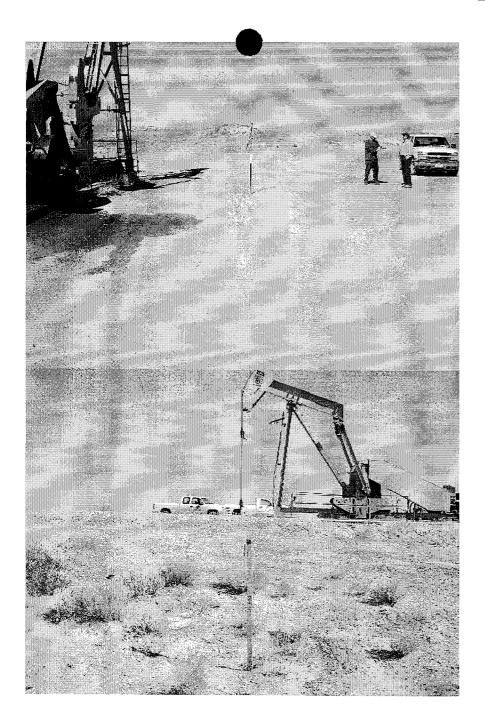
Sensitivity Level II = 15-19; lining is discretionary.

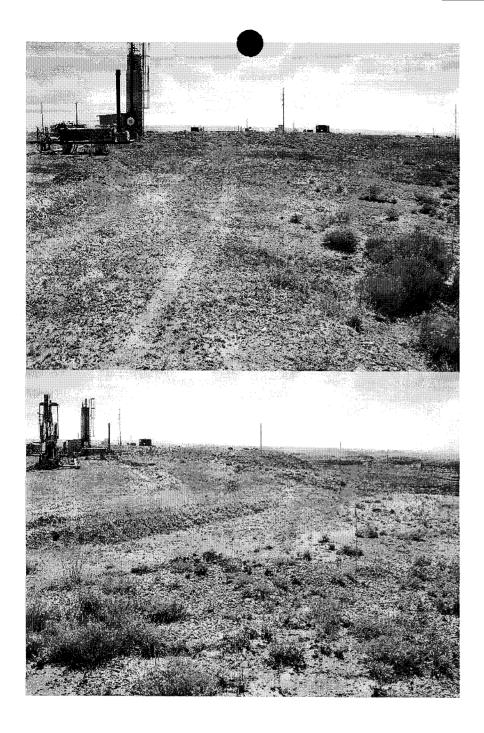
Sensitivity Level III = below 15; no specific lining is required.

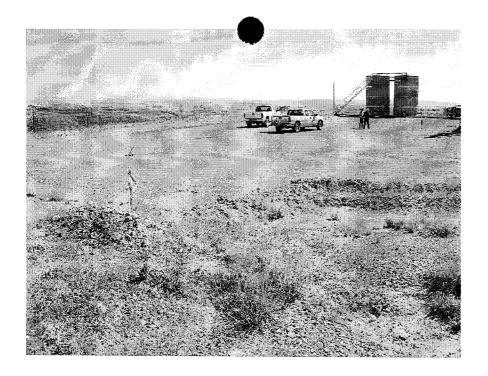
15 (Level II Sensitivity)

Final Score



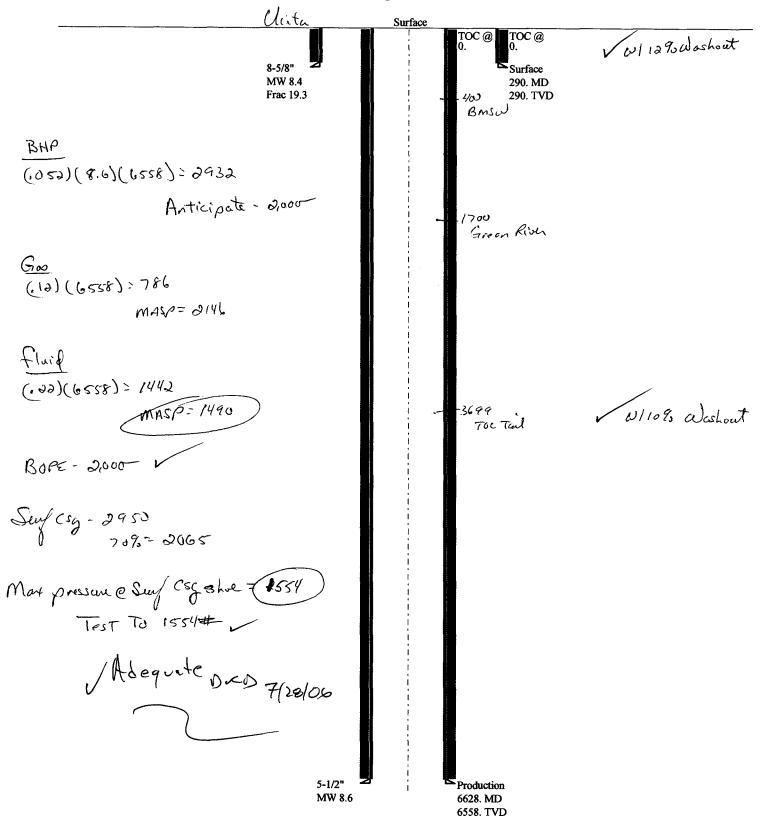






0006 Newfield Monument Buttest N-36-8-16

Casing Schematic



Well name:

07-06 Newfield Monument Butte St N-36-8-16

Operator:

Newfield Production Company

String type:

Surface

Project ID:

43-013-33223

Location:

Duchesne County

Design parameters:

Collapse

Mud weight:

8.400 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor

Environment:

H2S considered? Surface temperature:

No 75 °F

Bottom hole temperature: Temperature gradient:

79 °F 1.40 °F/100ft

Minimum section length:

290 ft

Burst:

Design factor

1.00

1.80 (J)

1.125

Cement top:

Surface

Burst

Max anticipated surface

No backup mud specified.

pressure: Internal gradient: Calculated BHP

255 psi 0.120 psi/ft

290 psi

Tension:

8 Round STC:

Buttress:

Body yield:

8 Round LTC:

1.80 (J) 1.60 (J) 1.50 (J) Premium: 1.50 (B)

Tension is based on buoyed weight. Neutral point:

253 ft

Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight:

6,558 ft 8.600 ppg 2,930 psi

Next setting BHP: Fracture mud wt: Fracture depth:

Injection pressure

19.250 ppg 290 ft 290 psi

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Internal Capacity (ft³) |
|------------|----------------------------------|---------------------------------------|--|-------------------------------|------------------------------------|------------------------------------|--------------------------------|--------------------------------------|--|
| 1 | 290 | 8.625 | 24.00 | J-55 | ST&C | 290 | 290 | 7.972 | ` 14 |
| Run Seq | Collapse Load (psi) 127 | Collapse Strength (psi) 1370 | Collapse Design Factor 10.826 | Burst Load (psi) 290 | Burst Strength (psi) 2950 | Burst Design Factor 10.17 | Tension Load (Kips) 6 | Tension Strength (Kips) 244 | Tension Design Factor 40.12 J |

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: 801-538-5280 FAX: 801-359-3940

Date: July 26,2006 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 290 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

07-06 Newfield Monument Butte St N-36-8-16

Operator:

Newfield Production Company

String type:

Production

Project ID:

43-013-33223

Location:

Duchesne County

| D | esign | parameters: |
|---|-------|-------------|
| | | |

Collapse Mud weight:

8.600 ppg Design is based on evacuated pipe.

Minimum design factors:

Collapse: Design factor

1.125

Environment:

H2S considered? Surface temperature: No 75 °F

Bottom hole temperature: Temperature gradient:

167 °F 1.40 °F/100ft

0 ft

Minimum section length: 1,500 ft

Burst:

Design factor

1.00

Cement top:

Kick-off point

Surface

Burst

Max anticipated surface

pressure: Internal gradient: Calculated BHP

658 psi 0.346 psi/ft 2,930 psi

No backup mud specified.

Tension:

8 Round STC: 8 Round LTC: **Buttress:**

Premium:

Body yield:

1.80 (J) 1.80 (J) 1.60 (J)

1.50 (J)

1.50 (B)

Departure at shoe:

903 ft Maximum dogleg:

Directional well information:

1.5 °/100ft 9.07 ° Inclination at shoe:

Tension is based on buoyed weight. Neutral point: 5,764 ft

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Internal Capacity (ft³) |
|------------|---------------------------|-------------------------------|-------------------------------|------------------------|----------------------------|----------------------------|---------------------------|-------------------------------|-------------------------------|
| 1 | 6628 | 5.5 | 15.50 | J-55 | ST&C | 6558 | 6628 | 4.825 | 207.8 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (Kips) | Tension Strength (Kips) | Tension Design Factor |
| 1 | 2930 | 4040 | 1.379 | 2930 | 4810 | 1.64 | 88 | `202 | 2.28 J |

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: 801-538-5280 FAX: 801-359-3940

Date: July 26,2006 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6558 ft, a mud weight of 8.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

July 28, 2006

Memorandum

To:

Assistant District Manager Minerals, Vernal District

From:

Michael Coulthard, Petroleum Engineer

Subject:

2006 Plan of Development Monument Butte Unit,

Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the Monument Butte Unit, Duchesne County, Utah.

API#

WELL NAME

LOCATION

(Proposed PZ Green River)

43-013-33218 Monument Butte St H-2-9-16 Sec 2 T09S R16E 1835 FNL 1968 FWL BHL Sec 2 T09S R16E 1322 FNL 2638 FWL

43-013-33223 Monument Butte St N-36-8-16 Sec 36 T08S R16E 2064 FSL 0639 FWL BHL Sec 36 T08S R16E 2654 FSL 1313 FWL

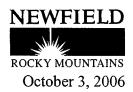
These wells are part of a 20 acre infill program in the Greater Monument Butte Field. Telephone conversation with Kelly Donohoue, Newfield, indicated that they will apply for exceptions to the locating and siting requirements of the State of Utah (R649-3-2) on a well by well basis. Newfield is currently scheduled to seek relief on a unit basis at the September meeting of the Board of Oil Gas and Mining.

This office has no objection to permitting the wells at this time.

bcc: File - Monument Butte Unit

Division of Oil Gas and Mining Central Files Agr. Sec. Chron Fluid Chron

MCoulthard:mc:7-28-06



Ms. Diana Whitney State of Utah, Div. of Oil, Gas and Mining P.O. Box 145801 Salt Lake City, Utah 84114-5801

Re:

Directional Drilling R649-3-11

Monument Butte Unit UT080P49-8861680 Various Wells & Locations (See Attached)

Duchesne County, Utah

Dear Ms. Whitney:

Pursuant to the filing of Newfield Production Company's (hereinafter "NPC") Applications for Permits to Drill (copies enclosed herewith) which concern the wells described on the attached Exhibit, NPC is hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling.

All of these drillsite locations are located within the boundaries of the Monument Butte Unit UT080P49-8861680. NPC is permitting these wells as directional wells in order to minimize surface disturbance. By locating the wells at the surface locations described and directionally drilling from these locations, NPC will be able to utilize the existing the existing roads and pipelines in the area.

Furthermore, NPC hereby certifies that NPC is the Monument Butte Unit Operator and all lands within 460 feet of each of the entire directional well bores are within the Monument Butte Unit.

Therefore, based on the above stated information NPC requests that the permits be granted pursuant to R649-3-11. Thank you for your consideration in this matter.

Sincerely,

Newfield Production Company

Rhonda Deimer Land Associate

Enclosures

RECEIVED

OCT 1 0 2006

DIV. OF OIL, GAS & MINING



State of Utah

Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA Division Director JON M. HUNTSMAN, JR. Governor

> GARY R. HERBERT Lieutenant Governor

> > October 10, 2006

Newfield Production Company Rt. #3, Box 3630 Myton, UT 84052

Re:

Monument Butte State N-36-8-16 Well, 2064' FSL, 639' FWL, NW SW, Sec. 36, T. 8 South, R. 16 East, Bottom Location 2654' FSL, 1313' FEL, NW SW, Sec. 36, T. 8 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33223.

Sincerely,

Gil Hunt

Associate Director

StuzII

pab Enclosures

cc:

Duchesne County Assessor

SITLA

Bureau of Land Management, Vernal District Office

| Operator: | | Nev | Newfield Production Company | | | | |
|-------------------------|-------|-----------------|--------------------------------|-------------------|--|--|--|
| Well Name & Numl | oer | Mo ₁ | Monument Butte State N-36-8-16 | | | | |
| API Number: | | 43-0 | 43-013-33223 | | | | |
| Lease: | | ML | ML-22061 | | | | |
| Location: | NW SW | Sec. 36 | T. 8 South | R. 16 East | | | |
| Bottom Location: | NW SW | Sec. 36 | T. 8 South | R. 16 East | | | |

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
- 5. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

| Name of Com | pany: | NEWFIELD PRODUCTION COMPANY | | | | | | |
|----------------|--------------------|-----------------------------|-------------|-----------|------|--|--|--|
| Well Name: | | MONUMENT | BUTTE ST | N-36-8-16 | ···· | | | |
| Api No: | 43-013-3322 | 23 I | Lease Type: | STATE | | | | |
| Section 36 | Township <u>08</u> | Range 16E | County | DUCHESNE | | | | |
| Drilling Contr | actor | NDSI | RIC | 6 #NS#1 | | | | |
| SPUDDED |) : | | | | | | | |
|] | Date | 02/07/07 | _ | | | | | |
| , | Гіте | 11:00 AM | _ | | | | | |
| | How | DRY | _ | | | | | |
| Drilling will | Commend | ce: | | | | | | |
| Reported by_ | | TROY ZUFEIT | | | | | | |
| Telephone #_ | | (435) 823-6013 | | | | | | |
| Date 02/ | 07/2007 | Signed | CHD | | | | | |

| STATE OF UTAH | |
|---------------------------------|---|
| DIVISION OF OIL, GAS AND MINING | |
| ENTITY ACTION FORM-FORM | E |

ADDRESS: MEAFRELD PRODUCTION COMPANY
ADDRESS: MT. 3 BOX 3839

MYTON, UT 04052

| OPERATOR ACCT. NO. | N2095 |
|--------------------|-------|
|--------------------|-------|

| ACROS. | II) PRINCINT | MON | AFTRIMITER | WALGUE | | | | | | | |
|--------|-----------------------|--|-------------------------------|---------------------------|-------------|------------|-----------------|----------|--|------------------|------------------|
| CODE | EXECUTE 800. | CONTY NO. | <u> </u> | i | 99 | 26 | - | DOM | | SPED | EFFECTIVE |
| | | 15924 | | | | - 25 | - | 86 | CQUITY | DATE | BAZE |
| _ | 33999 | 113707 | 4301333061 | FEDERAL 16-8-0-16 | SE/SE | 8 | 96 | 16E | DUCHEBNE | | 2/13/07 |
| MOT 10 | XME KTS. | ^ . | RRU | | | | | | COCHESINE | 2/8/2007 | 10/13/0/ |
| | | (91 | | | | | | | | | , , |
| | | | _ | | | | | | | | · |
| ACTION | CHREN | NEW | AM ISUNDER | WELL SPORE | | | | | | | |
| CODE | ENFITY NO. | EMBRYOO | | | 20 | ISC . | ABT FOCK | | | \$PUD | BFF80 Tark |
| _ | | 10835 | | | | | "- | RG | YTMIOD | DATE | 0/F |
| В | 90999 | 10025 | 4301333223 | MON BUTTE STATE N-36-8-16 | NWW | 36 | l | l l | | | 2/12/22 |
| | | ~ / | 2011 | | I uman | 30 | 88 | 16E | DUCHESNE | <u> 92/07/07</u> | 10//3/07 |
| | | (→★ | ZeV | | | | | | | | |
| | | | 2,01 | | | | | | | | ********** |
| AC TON | CLERENT | NEA. | APINIMER | | | | | | | | |
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| KONON | COMMENT | | | | | | | | | | |
| CODE | ENTIRY NO. | NEW ON VITTAGE | APINAMEN | AMET HAVE | | | WALL | MATON | | | |
| | D-184 EQ. | 25.117 10 | | | 00 | 30 | 179 | 40 | COLUMN | DATE. | EPPECTIVE . |
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| CODE | BHTMY NO. | ENTEY NO. | | | 80 | * C | FIRST | PORADO | | \$ PUD | EMECIME |
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| EIL FC | OMPONTS: | | | | | | | | | | |
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| CTION | CURRENT | MENV | APINIMEER | | | | | | | | |
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| | | | | | G0 | | - | 96 7 | CORNELA | DATE | DATE DATE |
| EU SC | DAMENTO | | | | <u> </u> | | | <u></u> | | | |
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| 0- 4 | walles - | angel may a remova | | | | | | /9 | Transfer of the last of the la | | LAMA NEBEKER |
| E- (| Mar jaspini in curs m | Mis venture | • | | | | | U | • • • • • • • • • • • • • • • • • • • | | |
| | | | | DECEN | | | | <u> </u> | reduction Clark | | February 7, 2007 |
| ME. At | COMMENT ENGINEERS | Implicitation on the Auton C | -do-w _{eet} substant | RECEIV | ヒレ | | | π | 10 | | Date |
| | | | | • | | | | | | | |

FEB 0 7 2007

STATE OF UTAH

| | 5. LEASE DESIGNATION AND SERIAL NUMBER: Monument Butt State N-36-8-16 | | | |
|---|--|------------------------------------|---|---|
| SUNDRY | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: | | | |
| Do not use this form for proposals to dr wells, or to drill horizont | 7. UNIT or CA AGREEMENT NAME: MON BUTTE UNIT | | | |
| 1. TYPE OF WELL: OIL WELL | GAS WELL OTHER | | | 8. WELL NAME and NUMBER: MONUMENT BUTTE STATE N-36-8-1 |
| 2. NAME OF OPERATOR: | | | | 9. API NUMBER: |
| NEWFIELD PRODUCTION COM | IPANY | | | 4301333223 |
| 3. ADDRESS OF OPERATOR: | The Market of the Control of the Con | i i | PHONE NUMBER 435.646.3721 | 10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE |
| Route 3 Box 3630 Cr 4. LOCATION OF WELL: | ry Myton STATE UT | ZIP 84052 | 433.040.3721 | MONOMENT BUTTE |
| FOOTAGES AT SURFACE: 2064 FSL 6 | 539 FWL | | | COUNTY: DUCHESNE |
| OTR/OTR. SECTION. TOWNSHIP. RANGE. | MERIDIAN: NWSW, 36, T8S, R16E | | | STATE: UT |
| 11. CHECK APPROI | PRIATE BOXES TO INDICATE | E NATURE O | F NOTICE, REP | ORT, OR OTHER DATA |
| TYPE OF SUBMISSION | | TYP | E OF ACTION | |
| | ACIDIZE | DEEPEN | | REPERFORATE CURRENT FORMATION |
| NOTICE OF INTENT (Submit in Duplicate) | ALTER CASING | FRACTURE TR | EAT | SIDETRACK TO REPAIR WELL |
| Approximate date work will | CASING REPAIR | NEW CONSTRU | JCTION | TEMPORARITLY ABANDON |
| Approximate date work will | CHANGE TO PREVIOUS PLANS | OPERATOR CH | ANGE | TUBING REPAIR |
| | CHANGE TUBING | PLUG AND AB | | VENT OR FLAIR |
| X SUBSPOUENT REPORT | CHANGE WELL NAME | PLUGBACK | | WATER DISPOSAL |
| SUBSEOUENT REPORT (Submit Original Form Only) | 1= | PRODUCTION | /STAPT/STOP) | water shut-off |
| Date of Work Completion: | CHANGE WELL STATUS COMMINGLE PRODUCING FORMATIONS | = | | OTHER: - Spud Notice |
| 02/16/2007 | 12 | _ | N OF WELL SITE - DIFFERENT FORMATION | X OTTEX Spun House |
| 02/10/2007 | CONVERT WELL TYPE | RECOMPLETE | - DIFFERENT FORMATION | |
| On 2/7/07 MIRU NDSI NS @ 319.45 KB On 2/13/07 Returned 1 bbls cement to | cement with 160 sks of class "G" w/ | 320' of 12 1/4" I 2% CaCL2 + 1/ | hole with air mist. T 4# sk Cello- Flake | wolumes, etc. IH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. a and topped it off with 14 sks of class |
| | | | Deilling P | |
| NAME (PLEASE PRINT) Alvin Nielsen | <i>a •</i> / | π | TLE Drilling Foreman | |
| SIGNATURE ALLE T | hele | DA | ATE02/16/2007 | |

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NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

| LAST CASIN | G <u>8 5/8"</u> | set @ | 319.45 | **** | OPERATOR | ₹ | Newfield F | Production C | ompany | |
|--------------|-----------------|---------------|-----------------|-----------------|--------------------------------------|--------------|-----------------|--------------|--------------|--|
| DATUM | 12' KB | | *** | | WELL | | MB State | N-36-8-16 | | |
| DATUM TO | CUT OFF CA | ASING _ | | | FIELD/PRO | SPECT _ | Monumen | t Butte | | |
| DATUM TO I | BRADENHE | AD FLANGE | | | CONTRACT | OR & RIG# | <u> </u> | NDSI NS # 1 | | |
| TD DRILLER | 320' | LOGGE | R | | | | | | | |
| HOLE SIZE | 12 1/4 | | · | | | | | | | |
| | | | | | | | | <u></u> | | |
| LOG OF CAS | SING STRIN | G: | | | | I | | | | |
| PIECES | OD | ITEM - I | MAKE - DESCI | RIPTION | WT/FT | GRD | THREAD | CONDT | LENGTH | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | Joint 40.57' | | | | 0-1 | | 0.05 | |
| | | WHI - 92 cs | | | 24# | 1.55 | 8rd | A - | 0.95 | |
| 7 | 8 5/8" | Maverick ST | &C csg GUIDE | -1 | 24# | J-55 | 8rd 8rd | A | 307.6 0.9 | |
| | ENTORY R | L | | shoe | TOTAL LEN | ICTU OF ST | <u> </u> | | 309.45 | |
| CASING INV | | | FEET 200.45 | JTS 8 | 1 | | KING | _ | 2 | |
| TOTAL LEN | | | 309.45 1.85 | | PLUS DATUM TO T/CUT OFF CSG | | | | 12 | |
| LESS NON (| ., | | 1.65 | | | | | | 319.45 | |
| PLOSTOLL | | | 307.6 | | | | | | | |
| TOTAL CSG | | THRDS) | 307.6 | | COMPARE | | | | | |
| TIMING | . DLL. (**/O | 1111(00) | 1ST STAGE | | 1 | - | | | | |
| BEGIN RUN | CSG. | Spud | | 11:00 AM | GOOD CIRC | C THRU JOI | В | YES | | |
| CSG. IN HO | | | 2/8/2007 | 11:00 AM | Bbls CMT C | IRC TO SU | SURFACE 1 | | | |
| BEGIN CIRC | | | 2/13/2007 | 8:56 AM | RECIPROCATED PIPE FORN/A | | | | | |
| BEGIN PUM | P CMT | | 2/13/2007 | 9:35 AM | | | _ | | | |
| BEGIN DSP | L. CMT | | 2/13/2007 | 9:47 AM | BUMPED PLUG TO Did not bump plug PSI | | | | PSI | |
| PLUG DOW | N | | 2/13/2007 | 9:52 AM | | | | | | |
| CEMENT US | SED | | | CEMENT CO | MPANY- | B. J. | | ······ | | |
| STAGE | # SX | | | CEMENT TY | PE & ADDITI | VES | | | | |
| 1 | 160 | Class "G" w | / 2% CaCL2 + | 1/4#/sk Cello-l | lake mixed (| ② 15.8 ppg 1 | 1.17 cf/sk yiek | <u>d</u> | | |
| | | | | | | | | | | |
| 2 | 14 | <u> </u> | / 2% CaCL2 + | 1/4#/sk Cello-l | lake mixed (| | | | | |
| | | TCHER PLAC | | | | SHOW MA | KE & SPACIN | NG | | |
| Centralizers | s - Middle fi | rst, top seco | ond & third for | 3 | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| COMPANY I | REPRESEN | TATIVE | Alvin Nielse | | | | _ DATE | 2/16/2007 | | |

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES 5. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING **UTAH STATE ML-22061** 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS 7. UNIT or CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged MON BUTTE UNIT wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. 8. WELL NAME and NUMBER: 1. TYPE OF WELL: OIL WELL GAS WELL **OTHER** MONUMENT BUTTE STATE 9. API NUMBER 2 NAME OF OPERATOR 4301333223 **NEWFIELD PRODUCTION COMPANY** 10. FIELD AND POOL, OR WILDCAT: 3. ADDRESS OF OPERATOR: PHONE NUMBER ZIP 84052 435.646.3721 MONUMENT BUTTE Route 3 Box 3630 CITY Myton STATE UT 4 LOCATION OF WELL: FOOTAGES AT SURFACE: 2064 FSL 639 FWL COUNTY: DUCHESNE OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWSW, 36, T8S, R16E STATE: UT CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION DEEPEN REPERFORATE CURRENT FORMATION ACIDIZE ■ NOTICE OF INTENT FRACTURE TREAT (Submit in Duplicate) ALTER CASING SIDETRACK TO REPAIR WELL CASING REPAIR NEW CONSTRUCTION TEMPORARITLY ABANDON Approximate date work will CHANGE TO PREVIOUS PLANS OPERATOR CHANGE TUBING REPAIR CHANGE TUBING PLUG AND ABANDON ☐ VENT OR FLAIR WATER DISPOSAL PLUG BACK SUBSEQUENT REPORT CHANGE WELL NAME (Submit Original Form Only) CHANGE WELL STATUS PRODUCTION (START/STOP) WATER SHUT-OFF Date of Work Completion: OTHER: - Weekly Status Report COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE 03/02/2007 CONVERT WELL TYPE **RECOMPLETE - DIFFERENT FORMATION** 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On2/12/07 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to

On2/12/07 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notifed of test. PU BHA and tag cement @ 278'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6520'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 147jt's of 5.5 J-55, 15.5# csgn. Set @ 6486.17'/ KB. Cement with 350 sks cement mixed @ 11.0 ppg & 3.43 yld. The 450 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 15 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 84,000 #'s tension. Release rig @ 9:00 pm 3/1/07.

| | , | |
|---------------------------------|---|--|
| NAME (PLEASE PRINT) Don Bastian | TITLE Drilling Foreman | |
| SIGNATURE On Bastian | DATE03/02/2007 | |

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NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

| | | | 5 1/2" | CASING SET | AT | 6486.17 | | | |
|--------------|------------------|---------------|-----------------|-----------------|-----------------------------|---------------|---------------|--------------|--|
| | | | | | Fit clir @ | 6442.56 | | | |
| LAST CASIN | IG <u>8 5/8"</u> | SET A | 319. <u>45'</u> | | OPERATOR | · | Newfield F | Production (| Company |
| DATUM | 12' KB | | | | WELL | MB N-36-8 | -16 | | <u></u> |
| DATUM TO | CUT OFF CA | ASING _ | 12' | | FIELD/PRO | SPECT | Monumen | t Butte | · |
| DATUM TO | BRADENHE | AD FLANGE | | | CONTRACT | OR & RIG# | · | NDSI #2 | |
| TD DRILLER | 6493 | Loggers | 6518 | | | | | | |
| HOLE SIZE | 7 7/8" | | | | | | | | |
| | | | | | | | , | | |
| LOG OF CAS | SING STRIN | G: | | | | | | | |
| PIECES | OD | ITEM - I | MAKE - DESCI | RIPTION | WT/FT | GRD | THREAD | CONDT | LENGTH |
| | | Landing Jt | | | | | | | 14 |
| _ | | Short jt | 4316' (5.90') | | | | | | |
| 146 | 5 1/2" | ETC LT & C | casing | | 15.5# | J-55 | 8rd | Α | 6428.56 |
| | | Float collar | | | | | | | 0.6 |
| 1 | 5 1/2" | ETC LT&C | esg | | 15.5# | J-55 | 8rd | Α | 44.36 |
| | | | GUIDE | shoe | | | 8rd | Α | 0.65 |
| CASING INV | ENTORY B | AL. | FEET | JTS | TOTAL LEN | GTH OF ST | RING | | 6488.17 |
| TOTAL LEN | GTH OF ST | RING | 6488.17 | 147 | LESS CUT OFF PIECE | | | | 14 |
| LESS NON (| CSG. ITEMS | | 15.25 | | PLUS DATUM TO T/CUT OFF CSG | | | | 12 |
| PLUS FULL | JTS. LEFT (| DUT | 221.53 | 5 | CASING SET DEPTH 6486 | | | | 6486.17 |
| | TOTAL | • | 6694.45 | 152 | ۱ | | | | |
| TOTAL CSG | . DEL. (W/O | THRDS) | 6694.45 | 152 | COMPARE | | | | |
| TIMING | | , | 1ST STAGE | 2nd STAGE | | | | | |
| BEGIN RUN | CSG. | | 9:00 AM | 3/1/2007 | GOOD CIRC | THRU JOB | | Yes | |
| CSG. IN HO | LE | | 1:00 PM | 3/1/2007 | Bbls CMT C | IRC TO SUR | FACE | 15 | |
| BEGIN CIRC | ; | | 1:30 PM | 3/1/2007 | RECIPROCA | ATED PIPE I | OR | THRUSTRO | <u>KE NA</u> |
| BEGIN PUM | P CMT | | 3:10 PM | 3/1/2007 | DID BACK F | PRES. VALV | E HOLD? _ | Yes | |
| BEGIN DSPI | L. CMT | | 4:16 PM | 3/1/2007 | BUMPED PI | LUG TO _ | | 2300 | PSI |
| PLUG DOW | N | | 4:43 PM | 3/1/2007 | | | | | |
| CEMENT US | SED | | | CEMENT CO | MPANY- | B. J. | | | |
| STAGE | # SX | | | CEMENT TYP | E & ADDITIV | /ES | | | |
| 1 | | Premlite II w | / 10% gel + 3 ° | % KCL, 3#'s /sl | CSE + 2# s | k/kolseal + 1 | /2#'s/sk Cell | o Flake | |
| | | mixed @ 11 | .0 ppg W / 3.43 | cf/sk yield | | | | | |
| 2 | | 50/50 poz W | // 2% Gel + 3% | KCL, .5%EC1 | ,1/4# sk C.F. | 2% gel. 3% | SM mixed @ | 14.4 ppg W/ | 1.24 YLD |
| CENTRALIZ | ER & SCRA | TCHER PLAC | CEMENT | | | SHOW MAK | E & SPACIN | IG | |
| Centralizers | s - Middle fi | rst, top seco | ond & third. Th | nen every thir | d collar for a | a total of 20 | | | |
| | | | | | | | · | · | · , |
| | | | | | | | | | , and the second |
| | | | | | | | | | |
| COMPANY F | REPRESENT | TATIVE _ | Don Bastian | 1 | | | DATE | 3/1/2007 | |

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STATE OF UTAH

| DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING 5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-22061 | | | | | | | | | |
|--|--|---------------------------------------|-------------------------|---|--|--|--|--|--|
| SUNDRY | NOTICES AND REPO | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: | | | | | | | |
| Do not use this form for proposals to dr wells, or to drill horizont | 7. UNIT or CA AGREEMENT NAME: MON BUTTE UNIT | | | | | | | | |
| 1. TYPE OF WELL: OIL WELL | GAS WELL OTHER | | | 8. WELL NAME and NUMBER: MONUMENT BUTTE STATE \(\) - 36-8-16 | | | | | |
| 2. NAME OF OPERATOR: NEWFIELD PRODUCTION COM | (DANV | | | 9. API NUMBER: 4301333223 | | | | | |
| 3. ADDRESS OF OPERATOR: | IFANI | | PHONE NUMBER | 10. FIELD AND POOL, OR WILDCAT: | | | | | |
| Route 3 Box 3630 cm | ry Myton STATE UT | ZIP 84052 | 435.646.3721 | MONUMENT BUTTE | | | | | |
| 4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2064 FSL 6 | 339 FWL | | | COUNTY: DUCHESNE | | | | | |
| OTR/OTR, SECTION. TOWNSHIP. RANGE. | MERIDIAN: NWSW, 36, T8S, R16E | | | STATE: UT | | | | | |
| 11. CHECK APPROI | PRIATE BOXES TO INDICATE | NATURE | OF NOTICE, REP | ORT, OR OTHER DATA | | | | | |
| TYPE OF SUBMISSION | | TY | PE OF ACTION | | | | | | |
| | ACIDIZE | DEEPEN | | REPERFORATE CURRENT FORMATION | | | | | |
| NOTICE OF INTENT (Submit in Duplicate) | ALTER CASING | FRACTURE | REAT | SIDETRACK TO REPAIR WELL | | | | | |
| Approximate date work will | CASING REPAIR | NEW CONST | RUCTION | TEMPORARITLY ABANDON | | | | | |
| • | CHANGE TO PREVIOUS PLANS | OPERATOR (| CHANGE | TUBING REPAIR | | | | | |
| 03/26/2007 | CHANGE TUBING | PLUG AND A | ABANDON | VENT OR FLAIR | | | | | |
| ☐ SUBSEQUENT REPORT | CHANGE WELL NAME | PLUG BACK | | X WATER DISPOSAL | | | | | |
| (Submit Original Form Only) | CHANGE WELL STATUS | = | N (START/STOP) | WATER SHUT-OFF | | | | | |
| Date of Work Completion: | COMMINGLE PRODUCING FORMATIONS | = | ON OF WELL SITE | OTHER: - | | | | | |
| | CONVERT WELL TYPE | = | E - DIFFERENT FORMATION | | | | | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities. Accepted by the Company of the Company o | | | | | | | | | |
| NAME (PLEASE PRINT) Mandie Crozier | \sim 6 | | TITLE Regulatory Specia | list | | | | | |
| SIGNATURE MANGE (10 yes DATE 03/30/2007 | | | | | | | | | |

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STATE OF UTAH

| | DEPARTMENT OF NATURAL R DIVISION OF OIL, GAS AN | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-22061 | |
|---|---|--|--|--|
| SUNDRY | Y NOTICES AND REPO | ORTS ON | WELLS | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| Do not use this form for proposals to di | rill new wells, significantly deepen existing wells be tal laterals. Use APPLICATION FOR PERMIT TO | elow current bottom O DRILL form for si | -hole depth, reenter plugged uch proposals. | 7. UNIT OF CA AGREEMENT NAME: MON BUTTE UNIT |
| 1. TYPE OF WELL: OIL WELL | | | | 8. WELL NAME and NUMBER: N-36-8-1 MONUMENT BUTTE STATE |
| 2. NAME OF OPERATOR: | | | | 9. API NUMBER: |
| NEWFIELD PRODUCTION COM | MPANY | | | 4301333223 |
| 3. ADDRESS OF OPERATOR: | | | PHONE NUMBER | 10. FIELD AND POOL, OR WILDCAT: |
| Route 3 Box 3630 C | TY Myton STATE UT | ZIP 84052 | 435.646.3721 | MONUMENT BUTTE |
| 4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2064 FSL | 639 FWL | | | COUNTY: DUCHESNE |
| OTR/OTR. SECTION. TOWNSHIP. RANGE | MERIDIAN: NWSW, 36, T8S, R16E | | | STATE: UT |
| TYPE OF SUBMISSION | PRIATE BOXES TO INDICAT | | YPE OF ACTION | ORT, OR OTHER DATA |
| C NORTH OF DIFFEREN | ACIDIZE | DEEPEN | | REPERFORATE CURRENT FORMATION |
| NOTICE OF INTENT (Submit in Duplicate) | ☐ ALTER CASING | FRACTURE | TREAT | SIDETRACK TO REPAIR WELL |
| Approximate date work will | CASING REPAIR | ■ NEW CONS | TRUCTION | TEMPORARITLY ABANDON |
| | CHANGE TO PREVIOUS PLANS | OPERATOR | CHANGE | TUBING REPAIR |
| | CHANGE TUBING | PLUG AND | ABANDON | ☐ VENT OR FLAIR |
| X SUBSEQUENT REPORT | CHANGE WELL NAME | PLUGBAC | К | WATER DISPOSAL |
| (Submit Original Form Only) | CHANGE WELL STATUS | PRODUCTI | ON (START/STOP) | WATER SHUT-OFF |
| Date of Work Completion: | COMMINGLE PRODUCING FORMATIONS | RECLAMA | TION OF WELL SITE | OTHER: - Weekly Status Report |
| 04/10/2007 | CONVERT WELL TYPE | RECOMPLI | ETE - DIFFERENT FORMATION | |
| 12. DESCRIBE PROPOSED OR C | OMPLETED OPERATIONS. Clearly show | all pertinent deta | ils including dates, depths, | volumes, etc. |
| | as completed on 03/29/07, attached | | | |
| | • | | | |
| | | | | |
| | | | | |
| | | | | |

RECEIVED APR 1 8 2007

DIV. OF OIL, GAS & MINING

| NAME (PLEASE PRINT) Jentri Park | TITLE Production Clerk |
|---------------------------------|------------------------|
| SIGNATURE MMML/// | DATE04/10/2007 |
| July of a | |
| (This space for State use only) | |

Daily Activity Report

Format For Sundry MON BT N-36-8-16 1/1/2007 To 5/30/2007

3/15/2007 Day: 1

Completion

Rigless on 3/14/2007 - Instal 5K frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6389' & cement top @ 52'. Perforate stage #1, B2 sds @ 5418-22', B1 sds @ 5388-93' w/ 3-1/8" Slick Guns (23 gram, .49"HE. 120°) w/ 4 spf for total of 36 shots. 153 bbls EWTR. SIFN.

3/21/2007 Day: 2

Completion

Rigless on 3/20/2007 - RU BJ Services. 10 psi on well. Frac B1 & B2sds w/29,667#'s of 20/40 sand in 367 bbls of Lightning 17 fluid. Broke @ 3170 psi. Treated w/ ave pressure of 2186 psi @ ave rate of 25 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2375 psi. RU Lone Wolf WLT, crane & lubricator. RIH w/5-1/2" Weatherford composite flow through plug & 7' perf gun. Set plug @ 5350'. Perforate C sds @ 5268-75' w/3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 28 shots. Leave pressure on well. 520 BWTR.

3/22/2007 Day: 3

Completion

Rigless on 3/21/2007 - RU BJ Services. 1450 psi on well. Frac C sds w/ 45,144#'s of 20/40 sand in 420 bbls of Lightning 17 fluid. Broke @ 2941 psi. Treated w/ ave pressure of 2182 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 3375 psi. Leave pressure on well. 940 BWTR. RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug & 16' perf gun. Set plug @ 5200'. Perforate D1 sds @ 5083- 5099' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 64 shots. RU BJ Services. 1722 psi on well. Frac D1 sds w/ 140,185#'s of 20/40 sand in 950 bbls of Lightning 17 fluid. Broke @ 3037 psi. Treated w/ ave pressure of 1944 psi @ ave rate of 25 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2350 psi. Leave pressure on well. 1880 BWTR.RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford composite flow through plug, 4' & 4' perf gun. Set plug @ 4750'. Perforate GB6sds @ 4640- 4644', GB4 sds @ 4568-4572' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90°) w/ 4 SPF for total of 32 shots. RU BJ Services. 1938 psi on well. Frac GB4 & GB6 sds w/ 26,284#'s of 20/40 sand in 324 bbls of Lightning 17 fluid. Broke @ 3787 psi. Treated w/ ave pressure of 2488 psi @ ave rate of 25 BPM. ISIP 2500 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 8 hrs & turned to oil. Shut well w/ 375 psi on 20/64 choke. Rec. est 480 BTF. SIWFN w/ 1724 BWTR.

3/23/2007 Day: 4

Completion

Western #2 on 3/22/2007 - 780 psi on well. RU Western #2. RU Perforators LLC WL truck, lubricator & D&M hot oil. Pumped 30 bbls of wtr down csg @ 200°. RIH w/5-1/2" Weatherford composite solid plug. Set plug @ 4540'. RD WL. Bleed off well. ND Cameron BOP & 5M WH. NU 3M WH & Shaffer BOP. Talley, PU & RIH w/ 4 3/4" Used bit & 143- jts of 2 7/8" J-55. EOT @ 4507'. Circulate well clean. Lost a total of 15 BW. SIWFN w/ 1769 BWTR.

3/24/2007 Day: 5

Completion

Western #2 on 3/23/2007 - 0 psi on well. PU & RIH w/ 1 jt of tbg. Tagged plug @ 4540'. RU Nabors power swivel. Drill out kill plug @ 4540' (17 mins). Continue to drill out plug & clean out sand. Plug @ 4750' (24 mins), Plug @ 5200', No sand (24 mins). Plug @ 5350', Sand @ 5286' (23 mins). Tagged sand @ 6215'. C/O to PBTD @ 6441'. Lost a total 35 bbls of wtr to well. Rec 20 bbls of oil. RU power swivel. LD 5 jts of tbg. RU swab equipment. IFL @ sfc. Made 5 swab runs. Well started flowing. Rec. a total of 70 bbls. Final oil cut 20%. SIWFN w/ 1734 BWTR.

3/27/2007 Day: 6

Completion

Western #2 on 3/26/2007 - 600 psi on tbg, 750 psi on csg. Bled of csg pressure. Pumped down tbg to kill well. Circ well to the production tank. PU & RIH w/ 4 jt of tbg. Tagged fill @ 6425'. Circulate well clean to flat tank. LD 30 jts of tbg. EOT @ 5481'. Well was still flowing up csg & would not die. Land tbg on flange. RU double valves & choke to flowline. Turn well to production tanks @ 2:45 PM on 20/64 choke. 400 psi on csg, 10 psi on tbg & flowing. Well flow a total of 40 BW to pit. Transferred a total of 186 bbls of oil to production tank #1 since start of job. SDFN w/ well flowing, 1694 BWTR.

3/28/2007 Day: 7

Completion

Western #2 on 3/27/2007 - Well flowing on 20 choke. 140 psi on tbg, 370 psi on csg. Well made 200 BO, 120 BW over night. RDMOSU. Left well flowing to production tanks.

3/29/2007 Day: 8

Completion

Western #2 on 3/28/2007 - MIRUSU. Open well w/ 100 psi on casing & 50 psi on tbg. Circulate oil off well w/ 300 bbls of water. Pump 25 water down tbg. TOOH w/ tbg. LD bit & bit sub. TIH w/ NC, 2 jts tbg, SN, 2 jts tbg, TA (45,000# CDI new), 170 jts tbg. RD BOP's. Set TA @ 5360' in 16,000# tension w/ SN @ 5426' w/ EOT @ 5490'. Pickup & prime pump. TIH w/ 2-1/2" x 1-3/4" x 20' RHAC new CDI pump w 179" SL, 4- 1-1/2" weight rods, 80- 7/8" guided rods, 1-1/2" x 26' polish rod. SIFN.

3/30/2007 Day: 9

Completion

Western #2 on 3/29/2007 - Open well w/ 0 psi on casing, w/ 0 psi on tbg. Continue TIH w/ 132- 7/8" guided rods, 2', 6' x 7/8" pony rods, 1-1/2" x 26' polish rod. Space pump. Test tbg & pump to 800 psi unit. RDMOSU. POP @ 11 AM w/ 122" SL @ 6 spm w/ 1254 bbls EWTR. Final Report.

Pertinent Files: Go to File List

SUBMIT IN DUPLICATE* FORM APPROVED

(See other instructions ons reverse side) OMB NO. 1004-0137

Expires: February 28, 1995

UNITED STATES DEPARTMENT OF THE INTERIOR BURFAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.

| | · | BURE | AU OF | LAND | MANAGEMI | ENT | Γ | | | | | 22061 |
|---------------------------------------|--------------------|--------------------------|-------------|-------------------|-------------------------------------|-------------|--------------------------|---------------------------|-------------|----------------------------|---------------------------------------|--|
| WELL (| COMPLI | ETION | OR RI | ECOM | PLETION | RE | PORT A | ND LOG* | 1 | 6. IF INDIAN | | OR TRIBE NAME |
| 1a. TYPE OF WORK | | | | | | | | | | 7. UNIT AGR | | |
| | | OIL WELL | X | GAS WELL | DRY | | Other | - | | | Monume | ent Butte |
| 1b. TYPE OF WELL | | | | | | | · | | | | | |
| NEW 🗸 | work 🔲 | Г | _ | PLUG | DIFF | | | | | 8. FARM OR | LEASE NAM | E, WELL NO. |
| WELL X | OVER | DEEPEN | | BACK | RESVR. | | Other | | | | ument B | utte N-36-8-16 |
| 2. NAME OF OPERATOR | | No | ufield E | Valoroti | on Company | ., | | | | 9. WELL NO. | 43.011 | 3-33223 |
| 3. ADDRESS AND TELEPH | IONE NO. | <u> Nev</u> | wheld E | хрюган | on Compan | у | | | | 10. FIELD AN | | |
| | 1. | | | | Denver, CO | | | | | | | ent Butte |
| 4. LOCATION OF WEL | L (Report locat | tions clearly a | nd in accor | dance with a | iny State requireme (NW/SW) Sec. | ents.*) |) TRS R16F | | | 11. SEC., T., R OR AREA | R., M., OR BLO | OCK AND SURVEY |
| At Surface At top prod. Interval repo | orted below | | | | 639 fu | | 100,11102 | | | | Sec. 36, | T8S, R16E |
| At top prod. Interval repo | orica ociow | _ | • | • | 4.5 100 | • | | | i | | | |
| At total depth | | | | 14. API NO. | | | DATE ISSUED | | | 12. COUNTY | | 13. STATE |
| <u> </u> | BO3 H | <u> </u> | | | 013-33223 | | | 0/10/06 | | Duc | hesne | UT 19, ELEV, CASINGHEAD |
| 15. DATE SPUDDED 02/07/07 | 16. DATE T.D. R | 28/07 | 17. DA1 | | Ready to prod.) 26/07 | l la | 8. ELEVATIONS (E 5506 | | 1C.)* | 5518' KI | В | 19. ELEV. CASINGHEAD |
| 20. TOTAL DEPTH, MD & | | 21. PLUG BAC | K T.D., MD | & TVD | 22. IF MULTIP | | OMPL., | 23. INTERVALS | ROTA | ARY TOOLS | | CABLE TOOLS |
| 652 % (| Ø433 | | 6486' | ina | HOW MAN | 1 Y* | | DRILLED BY | | × | | |
| 24. PRODUCING INTERVA | | | | OM, NAME (| MD AND TVD)* | | | | | | | 25. WAS DIRECTIONAL |
| | (_), | | | | River 4568 | 3'-54 | 122' | | | | | SURVEY MADE |
| | | | | | | | | | | | | No |
| 26. TYPE ELECTRIC AND Dual Induction | OTHER LOGS R | UN Compe | neatad | Density | , Compens | ated | Neutron (| R Caliner | Ceme | ent Bond | | 27. WAS WELL CORED NO |
| 23. | Suaru, Or | , Compe | nsateu | | G RECORD (Re | | | | , 00 | | 209 | |
| CASING SIZE/GI | RADE | WEIGHT, | | DEP1 | 'H SET (MD) | | HOLE SIZE | TOP OF CE | | MENTING REC | | AMOUNT PULLED |
| 8-5/8" - J- 5-1/2" - J- | | 24 15.3 | | | 319' 5906' | | 12-1/4" 7-7/8" | To surface 300 sx Prem | | | | |
| 5-1/2 - 3- | -55 | 10.0 |)#r | | 7900 | <u>-</u> | 1-110 | 000 3X 1 1CIII | into ii aii | u +20 3x 0 | 0,001.02 | |
| 29. | | LINI | ER RECO | RD | | | | 30. | | TUBING RE | CORD | |
| SIZE | TOP (| MD) | BOTTO | M (MD) | SACKS CEMENT | r* | SCREEN (MD) | SIZE 2-7/8" | | EOT @ | | PACKER SET (MD) TA @ |
| | | | | | | + | | 2-110 | | 5490 | | 5360' |
| 31. PERFORATION RECO | ORD (Interval, si | ze and number | | | | 3 | 32. | ACID, SHOT | , FRACT | URE, CEME | NT SQUEE | ZE, ETC. |
| INT | ERVAL | | SI | ZE_ | SPF/NUMBE | R | DEPTH INTI | | | | | MATERIAL USED |
| (B2 &1) 54 | 18'-5422', 5 | | | 9" | 4/36 | + | 5388'- 5268'- | | | | | and in 367 bbls fluid and in 420 bbls fluid |
| | | 268'-5375' 083'-5099' | | .3" .3" | 4/28 4/64 | \dashv | 5083'- | | | | | and in 950 bbls fluid |
| (GB6 &4) 46 | | | | 3" | 4/32 | | 4568'- | | | | | and in 324 bbls fluid |
| (000 04) 40 | 70 7077,7 | 000 1072 | • • | | | 寸 | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | \Box | | | | | | |
| | | | | | | \dashv | | | | | | |
| | | | | | PRODI | UCTI | ION | | | | · · · · · · · · · · · · · · · · · · · | |
| 33.* DATE FIRST PRODUCTIO | N | PRODUCTIO | N METHOD | (Flowing, gas | s lift, pumping-size ar | nd type | e of pump) | | | | | ATUS (Producing or shut-in) |
| 03/26/0 | 7 | | | | 1-3/4" x 20' | | | nger Pump | | D DDI | <u>Р</u> | RODUCING GAS-OIL RATIO |
| DATE OF TEST | HOU | IRS TESTED | CHOK | E SIZÉ | PROD'N. FOR TEST PERIOD | OILI | BBLS. | GASMCF. | WAIE | RBBL. | | |
| 10 day ave | Э | | | | > | | 168 | 85 | | 13 | | 506 |
| FLOW. TUBING PRESS. | CAS | ING PRESSURI | | JLATED JR RATE | OIL-BBL. | | GASMCF. | | WATER | BBL. | OIL GRAVII | TY-API (CORR.) |
| | | | | > | | | | | | DEO | | · D |
| 34. DISPOSITION OF GAS | (Sold, used for fu | el, vented, etc.) | | | | | | | | TREE C | | .U |
| | | | Sold | & Used | for Fuel | | | | | ADD | 1 8 200 | 17 |
| 35. LIST OF ATTACHMEN | VTS. | |) | | | | | | | AFK | 1 0 200 |) |
| 36. I hereby certify that | ne foregoide o | nd affached in | ermetion i | s complete | and correct as deter | rmine | d from all availab | le records | יות | V OF O!! | CAS & N | AINING |
| SIGNED | 11/1/1 | 1/4 | | | TITLE | | Pr | oduction Cl | erk D | v. UF UIL, | DATE | MINING 4711/2007 |
| Jenty P | ark 1 | | | | | | <u> </u> | | | | | JF |
| | | | *(| See Instruc | tions and Spaces | s for / | Additional Data | on Reverse Side | ∍) | | | |

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, ficitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all 38. **GEOLOGIC MARKERS** drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries); DESCRIPTION, CONTENTS, ETC. FORMATION TOP BOTTOM TOP TRUE NAME MEAS. DEPTH VERT. DEPTH Garden Gulch Mkr Well Name 4042' Garden Gulch 1 Monument Butte N-36-8-16 4250' Garden Gulch 2 4378' Point 3 Mkr 4650' X Mkr 4903' Y-Mkr 4936' Douglas Creek Mkr 5059' BiCarbonate Mkr 5316' B Limestone Mkr 5448' Castle Peak 5924' Basal Carbonate 6352' Wasatch 6478' Total Depth (LOGGERS 6518'



Directional Survey Certification

7327 West Barton Road Casper, WY 82604 (307)-472-6621 Fax (307) 472-5439

County of Natrona

State of Wyoming

My Commission Expires August 12, 2009

| RE: | Newfield Ex | ploration Co. | Operator | | | |
|----------------|--|--------------------|-------------------|-----------------|---------------|----------------------------|
| | | utte N-36-8-16 | Well Nan | | | |
| | | County, UT | County & | | | |
| <u></u> | 41DEF | 0702150 | SDI Job | No. | | |
| | | | | | | |
| l, | | Cruse | | | | the facts, hereby |
| - | at the attached directi | | | | 322 | feet to a |
| measured | d depth of 6525 | feet is true and o | correct as determ | ined from all a | available red | cords. |
| | 0 | | | | 0-1 | Dulling International |
| July | , cuise, | Hock | kies Region Engi | neer | Scientific | Drilling International |
| | Signature | | Title | | | Company |
| State | e of : | Wyoming Natrona | } } ss } | | | |
| Instru Seal | his L day of the day o | to me I | known as the per | as his/her free | in and who | executed the foregoing ed. |
| | PARCINE | AL - NOTARY PURITC | ~3 | | | |

RECEIVED
APR 1 8 2007

DIV. OF OIL, GAS & MINING

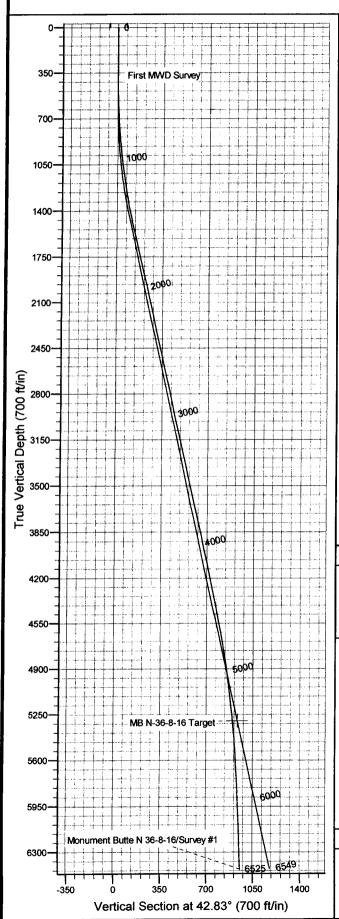


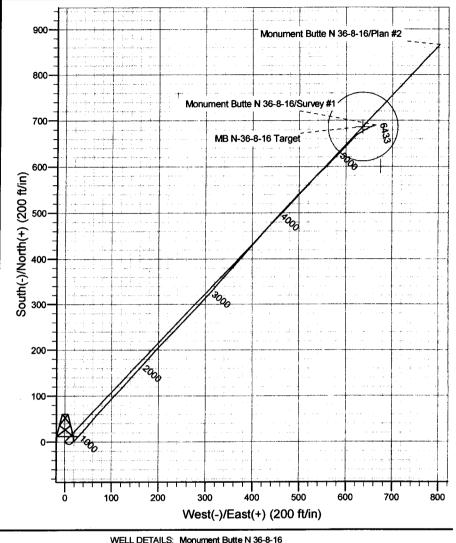
Project: Duchesne County, UT Site: Monument Butte N-36-8-16

Well: Monument Butte N 36-8-16

Wellbore: OH Design: OH

Newfield Exploration Co.





WELL DETAILS: Monument Butte N 36-8-16

Ground Level: +E/-W

GL 5506' & RKB 12' @ 5518.00ft (NDSI 2) Easting Latittude Longitude 2039196.75 40° 4' 22.060 N10° 4' 29.720 W

REFERENCE INFORMATION

Vertical (TVD) Reference: GL 5506' & RKB 12' @ 5518.00ft (NDSI 2) Section (VS) Reference: Slot - (0.00N, 0.00E) Measured Depth Reference: GL 5506' & RKB 12' @ 5518.00ft (NDSI 2)

Co-ordinate (N/E) Reference: Well Monument Butte N 36-8-16, True North

Calculation Method: Minimum Curvature

Local North: True

Location: Sec. 36 T8S R16E

PROJECT DETAILS: Duchesne County, UT

Survey: Survey #1 (Monument Butte N 36-8-16/OH

Geodetic System: US State Plane 1983 Datum: North American Datum 1983 Ellipsoid: GRS 1980 Zone: Utah Central Zone

Created By: Julie Cruse Date: 2007-03-06

Newfield Exploration Co.

Duchesne County, UT Monument Butte N-36-8-16 Monument Butte N 36-8-16 OH

Survey: Survey #1

Standard Survey Report

06 March, 2007

Scientific Drilling

Survey Report

Company: Project:

Newfield Exploration Co.

Duchesne County, UT

Site:

Monument Butte N 36-8-16

Well: Wellbore:

ОН ОН

Design:

Monument Butte N-36-8-16

Local Co-ordinate Reference:

TVD Reference: **MD Reference:**

North Reference:

Survey Calculation Method:

System Datum:

Database:

Weil Monument Butte N 36-8-16

GL 5506' & RKB 12' @ 5518.00ft (NDSI 2) GL 5506' & RKB 12' @ 5518.00ft (NDSI 2)

True

Minimum Curvature

MultiUserEDM

Project

Duchesne County, UT

Map System: Geo Datum:

US State Plane 1983

North American Datum 1983

Map Zone:

Utah Central Zone

Mean Sea Level

Site

Monument Butte N-36-8-16, Sec. 36 T8S R16E

Site Position:

Northing:

7,198,430.56 ft

Latitude:

Longitude:

Position Uncertainty:

Lat/Long

Easting:

2,039,196.75 ft

40° 4' 22.060 N

From:

Well

Slot Radius:

0.000 in

Grid Convergence:

110° 4' 29,720 W 0.91 °

Well Position

0.00 ft

+N/-S

0.00 ft

Monument Butte N 36-8-16, SHL: 2054' FSL, 639' FWL

Northing:

7,198,430.56 ft 2,039,196.75 ft

11.87

Latitude:

40° 4' 22 060 N

+E/-W 0.00 ft Easting:

Longitude: **Ground Level:**

65.93

110° 4' 29.720 W

Position Uncertainty

0.00 ft

IGRF2005-10

Wellhead Elevation:

5,506.00 ft

Wellbore

ОН

Model Name **Magnetics**

Sample Date

2007-02-16

Declination (°)

Dip Angle (°)

Field Strength

(nT) 52,731

ОН

Design Audit Notes:

Version:

1.0

Phase:

ACTUAL

Tie On Depth:

Vertical Section:

Depth From (TVD) (ft)

+N/-S

+E/-W (ft)

Direction

2007-03-06

0.00

(ft) 0.00 0.00

(°) 42.83

Survey Program

From

(ft)

2007-03-06 1:56:30PM

To

(ft)

Survey (Wellbore)

Tool Name

Description

322.00

6,525.00 Survey #1 (OH)

MWD

MWD - Standard

Survey

| Measured | | | Vertical | | | Vertical | Dogleg | Build | Turn |
|---------------|--------------------|----------------|---------------|---------------|---------------|-----------------|-------------------|----------------|-------------------|
| Depth (ft) | Inclination (°) | Azimuth (°) | Depth (ft) | +N/-S (ft) | +E/-W (ft) | Section (ft) | Rate (°/100ft) | Rate (°/100ft) | Rate (°/100ft) |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 322.00 | 1.90 | 126.67 | 321.94 | -3.19 | 4.28 | 0.57 | 0.59 | 0.59 | 0.00 |
| First MWD S | Survey | | | | | | | | |
| 352.00 | 1.67 | 117.77 | 351.93 | -3.69 | 5.07 | 0.74 | 1.20 | -0.77 | -29.67 |
| 383.00 | 1.94 | 115.61 | 382.91 | -4.13 | 5.94 | 1.01 | 0.90 | 0.87 | -6.97 |
| 414.00 | 1.72 | 117.90 | 413.90 | -4.57 | 6.82 | 1.29 | 0.75 | -0.71 | 7.39 |
| 444.00 | 1.73 | 112.17 | 443.88 | -4.95 | 7.64 | 1.56 | 0.58 | 0.03 | -19.10 |
| 475.00 | 1.61 | 112.50 | 474.87 | -5.30 | 8.48 | 1.88 | 0.39 | -0.39 | 1.06 |
| 506.00 | 1.37 | 96.90 | 505.86 | -5.51 | 9.25 | 2.25 | 1.51 | -0.77 | -50.32 |
| 536.00 | 1.59 | 82.64 | 535.85 | -5.50 | 10.02 | 2.78 | 1.42 | 0.73 | -4 7.53 |
| 567.00 | 1.92 | 75.51 | 566.83 | -5.31 | 10.95 | 3.55 | 1.27 | 1.06 | -23.00 |
| 597.00 | 2.12 | 66.78 | 596.82 | -4.97 | 11.94 | 4.48 | 1.22 | 0.67 | -29.10 |
| 628.00 | 2.54 | 59.38 | 627.79 | -4.39 | 13.06 | 5.66 | 1.66 | 1.35 | -23.87 |

Scientific Drilling

Survey Report

Company: Project: Newfield Exploration Co. Duchesne County, UT

Monument Butte N-36-8-16 Monument Butte N 36-8-16

Well: Wellbore: Design:

Site:

ОН

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference:

Survey Calculation Method:

Database:

Well Monument Butte N 36-8-16

GL 5506' & RKB 12' @ 5518.00ft (NDSI 2) GL 5506' & RKB 12' @ 5518.00ft (NDSI 2)

True

Minimum Curvature

MultiUserEDM

| urvey | | | | | | | | | | |
|----------|-------------|---------|----------|----------------|--------|------------------|--------------------------|---------------|---------------|---|
| * | | | 8 | | * | Vertical | Dowles | Build | Turn | 獭 |
| Measured | | | Vertical | | | Vertical | Dogleg | Rate | Rate | |
| Depth | Inclination | Azimuth | Depth | +N/-S | +E/-W | Section | Rate (°/100ft) | (°/100ft) | (°/100ft) | |
| (ft) | (°) | (°) | (ft) | (ft) | (ft) | (ft) | (riduid | (/ idoity | - | |
| 659.00 | 2.97 | 51.62 | 658.75 | -3.54 | 14.28 | 7.11 | 1.83 | 1.39 | -25.03 | |
| 689.00 | 3.31 | 47.91 | 688.71 | -2.48 | 15.53 | 8.74 | 1.32 | 1.13 | -12.37 | |
| 720.00 | 3.49 | 45.71 | 719.65 | -1.22 | 16.87 | 10.58 | 0.72 | 0.58 | -7.10 | |
| 750.00 | 3.90 | 45.04 | 749.59 | 0.14 | 18.25 | 12.51 | 1.37 | 1.37 | -2.23 | |
| 781.00 | 4.34 | 43.57 | 780.51 | 1.73 | 19.80 | 14.73 | 1.46 | 1.42 | -4.74 | |
| 811.00 | 4.69 | 43.17 | 810.42 | 3.45 | 21.42 | 17.10 | 1.17 | 1.17 | -1.33 | |
| 842.00 | 4.92 | 40.62 | 841.31 | 5.38 | 23.16 | 19.69 | 1.01 | 0.74 | -8.23 | |
| 872.00 | 5.55 | 40.56 | 871.18 | 7.46 | 24.94 | 22.43 | 2.10 | 2.10 | -0.20 | |
| | | | | | | | | 0.04 | 12.16 | |
| 904.00 | 5.84 | 44.45 | 903.03 | 9.80 | 27.08 | 25.60 | 1.51 | 0.91 1.06 | 2.71 | |
| 935.00 | 6.17 | 45.29 | 933.86 | 12.10 | 29.37 | 28.84 | 1.10 | 0.00 | -4.69 | |
| 967.00 | 6.17 | 43.79 | 965.67 | 14.55 | 31.78 | 32.28 | 0.50 | 2.06 | 2.23 | |
| 998.00 | 6.81 | 44.48 | 996.47 | 17.06 | 34.23 | 35.78 | 2.08 | 0.61 | -9.39 | |
| 1,029.00 | 7.00 | 41.57 | 1,027.25 | 19.79 | 36.77 | 39.51 | 1.28 | | | |
| 1,061.00 | 7.66 | 41.67 | 1,058.99 | 22.84 | 39.48 | 43.59 | 2.06 | 2.06 | 0.31 | |
| 1,092.00 | 8.10 | 39.99 | 1,089.69 | 26.06 | 42.26 | 47.84 | 1.60 | 1.42 | -5.42 | |
| 1,123.00 | 8.30 | 40.18 | 1,120.38 | 29.44 | 45.10 | 52.25 | 0.65 | 0.65 | 0.61 | |
| 1,153.00 | 8.75 | 41.03 | 1,150.04 | 32.81 | 48.00 | 56.70 | 1.56 | 1.50 | 2.83 | |
| 1,184.00 | 8.86 | 41.01 | 1,180.68 | 36.39 | 51.11 | 61.44 | 0.35 | 0.35 | -0.06 | |
| | | | 4 244 20 | 40.10 | 54.31 | 66.33 | 1.40 | 1.39 | -1.29 | |
| 1,215.00 | 9.29 | 40.61 | 1,211.29 | 43.95 | 57.56 | 71.36 | 0.68 | 0.48 | -2.90 | |
| 1,246.00 | 9.44 | 39.71 | 1,241.88 | 43.93 47.94 | 60.84 | 76.52 | 1.03 | 0.97 | -2.06 | |
| 1,277.00 | 9.74 | 39.07 | 1,272.44 | | 64.08 | 81.66 | 0.97 | 0.97 | -0.57 | |
| 1,307.00 | 10.03 | 38.90 | 1,302.00 | 51.95 56.35 | 67.71 | 87.36 | 1.72 | 1.56 | 4.06 | |
| 1,339.00 | 10.53 | 40.20 | 1,333.49 | 56.35 | 07.71 | 07.30 | | | | |
| 1,370.00 | 10.78 | 40.31 | 1,363.95 | 60.72 | 71.42 | 93.08 | 0.81 | 0.81 | 0.35 | |
| 1,402.00 | 11.25 | 42.42 | 1,395.36 | 65.31 | 75.46 | 99.20 | 1.93 | 1.47 | 6.59 | |
| 1,433.00 | 11.73 | 40.91 | 1,425.74 | 69.92 | 79.56 | 105.37 | 1.83 | 1.55 | -4.87 | |
| 1,464.00 | 12.05 | 41.00 | 1,456.07 | 74.75 | 83.75 | 111.75 | 1.03 | 1.03 | 0.29 | |
| 1,495.00 | 12.40 | 41.44 | 1,486.37 | 79.68 | 88.08 | 118.31 | 1.17 | 1.13 | 1.42 | |
| 4 525 00 | 12.58 | 41.28 | 1,515.66 | 84.55 | 92.36 | 124.80 | 0.61 | 0.60 | -0.53 | |
| 1,525.00 | 12.99 | 42.88 | 1,603.43 | 99.33 | 105.71 | 144.71 | 0.60 | 0.46 | 1.78 | |
| 1,615.00 | 13.55 | 42.55 | 1,694.92 | 115.18 | 120.35 | 166.29 | 0.60 | 0.60 | -0.35 | |
| 1,709.00 | | 41.08 | 1,784.34 | 131.30 | 134.76 | 187.91 | 0.39 | 0.10 | -1.60 | |
| 1,801.00 | 13.64 | 41.15 | 1,875.80 | 147.66 | 149.04 | 209.61 | 0.61 | -0.61 | 0.07 | |
| 1,895.00 | 13.07 | | | | | | | | | |
| 1,989.00 | 12.91 | 41.51 | 1,967.39 | 163.53 | 162.99 | 230.73 | 0.19 | -0.17 | 0.38 | |
| 2,082.00 | 12.49 | 41.64 | 2,058.12 | 178.82 | 176.56 | 251.17 | 0.45 | -0.45 | 0.14 | |
| 2,175.00 | 12.08 | 42.28 | 2,148.99 | 193.54 | 189.79 | 270.96 | 0.46 | -0.44 | 0.69 | |
| 2,268.00 | 12.29 | 41.47 | 2,239.89 | 208.15 | 202.89 | 290.59 | 0.29 | 0.23 | -0.87 2.71 | |
| 2,361.00 | 12.15 | 43.99 | 2,330.79 | 222.61 | 216.24 | 310.27 | 0.59 | -0.15 | 2.71 | |
| 2,456.00 | 12.04 | 43.92 | 2,423.68 | 236.94 | 230.06 | 330.17 | 0.12 | -0.12 | -0.07 | |
| 2,549.00 | 12.31 | 42.90 | 2,514.59 | 251.19 | 243.54 | 349.78 | 0.37 | 0.29 | -1.10 | |
| 2,643.00 | 13.11 | 42.13 | 2,606.28 | 266.44 | 257.51 | 370.46 | 0.87 | 0.85 | -0.82 | |
| 2,737.00 | 12.48 | 42.27 | 2,697.95 | 281.86 | 271.49 | 391.28 | 0.67 | -0.67 | 0.15 | |
| 2,831.00 | 12.03 | 42.37 | 2,789.81 | 296.61 | 284.93 | 411.23 | 0.48 | -0.48 | 0.11 | |
| • | | | | | | | 0.44 | -0.40 | -0.84 | |
| 2,926.00 | 11.65 | 41.57 | 2,882.79 | 311.10 | 297.96 | 430.72 449.62 | 0. 44 0.77 | -0.40 0.76 | -0.66 | |
| 3,017.00 | 12.34 | 40.97 | 2,971.80 | 325.32 | 310.44 | 449.62 469.59 | 0.77 | 0.15 | -0.78 | |
| 3,110.00 | 12.48 | 40.24 | 3,062.62 | 340.49 | 323.44 | 469.59 490.37 | 0.65 | 0.65 | -0.02 | |
| 3,204.00 | 13.09 | 40.22 | 3,154.29 | 356.37 | 336.88 | 511.40 | 0.03 | -0.01 | -0.42 | |
| 3,297.00 | 13.08 | 39.83 | 3,244.88 | 372.50 | 350.42 | 511.40 | 0.10 | | | |
| 3,389.00 | 13.01 | 41.10 | 3,334.51 | 388.30 | 363.89 | 532.15 | 0.32 | -0.08 | 1.38 | |
| 3,481.00 | 12.30 | 41.47 | 3,424.27 | 403.44 | 377.19 | 552.30 | 0.78 | -0.77 | 0.40 | |
| 3,574.00 | 12.56 | 42.22 | 3,515.09 | 418.35 | 390.55 | 572.31 | 0.33 | 0.28 | 0.81 | |
| 3,668.00 | 12.83 | 41.37 | 3,606.79 | 433.75 | 404.31 | 592.97 | 0.35 | 0.29 | -0.90 | |
| 3,762.00 | 13.14 | 40.87 | 3,698.39 | 449.67 | 418.20 | 614.08 | 0.35 | 0.33 | -0.53 | |
| -1 | 12.97 | 40.30 | 3,789.96 | 465.79 | 432.02 | 635.29 | 0.23 | -0.18 | -0.61 | |

Scientific Drilling

Survey Report

Company: Project: Newfield Exploration Co. Duchesne County, UT Monument Butte N-36-8-16

Monument Butte N 36-8-16

Well: Wellbore: Design:

Site:

ОН

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Database:

Well Monument Butte N 36-8-16

GL 5506' & RKB 12' @ 5518.00ft (NDSI 2) GL 5506' & RKB 12' @ 5518.00ft (NDSI 2)

True

Minimum Curvature MultiUserEDM

| Measured Depth | inclination | Azimuth | Vertical Depth | +N/-S | ** +E/-W | Vertical Section | Dogleg Rate | Build Rate | Turn Rate |
|-------------------|-------------|---------|-------------------|--------|-------------|---------------------|----------------|---------------|--------------|
| (ft) | (°) | (°) | (ft) | (ft) | (ft) | (ft) | (°/100ft) | (°/100ft) | (°/100ft) |
| 3,949.00 | 12.34 | 41.27 | 3,880.70 | 481.22 | 445.32 | 655.65 | 0.71 | -0.68 | 1.04 |
| 4,043.00 | 12.26 | 42.49 | 3,972.54 | 496.13 | 458.69 | 675.68 | 0.29 | -0.09 | 1.30 |
| 4,138.00 | 11.78 | 42.92 | 4,065.46 | 510.67 | 472.10 | 695.46 | 0.51 | -0.51 | 0.45 |
| 4,232.00 | 11.88 | 42.53 | 4,157.46 | 524.83 | 485.18 | 714.73 | 0.14 | 0.11 | -0.41 |
| 4.326.00 | 11.98 | 43.71 | 4,249.43 | 539.01 | 498.46 | 734.16 | 0.28 | 0.11 | 1.26 |
| 4,420.00 | 11.55 | 43.37 | 4,341.46 | 552.90 | 511.66 | 753.33 | 0.46 | -0.46 | -0.36 |
| 4,514.00 | 10.53 | 43.76 | 4,433.72 | 565.95 | 524.07 | 771.32 | 1.09 | -1.09 | 0.41 |
| 4,608.00 | 10.58 | 45.32 | 4,526.13 | 578.22 | 536.14 | 788.53 | 0.31 | 0.05 | 1.66 |
| 4,701.00 | 10.01 | 46.46 | 4,617.63 | 589.79 | 548.07 | 805.13 | 0.65 | -0.61 | 1.23 |
| 4.795.00 | 10,10 | 44.36 | 4.710.18 | 601.31 | 559.76 | 821.52 | 0.40 | 0.10 | -2.23 |
| 4.888.00 | 8.60 | 44.30 | 4,801.95 | 612.12 | 570.32 | 836.63 | 1.61 | -1.61 | -0.06 |
| 4.982.00 | 7.41 | 44.25 | 4,895.03 | 621.49 | 579.46 | 849.71 | 1.27 | -1.27 | -0.05 |
| 5,082.00 | 7.05 | 43.95 | 4,994.23 | 630.53 | 588.21 | 862.29 | 0.36 | -0.36 | -0.30 |
| 5,176.00 | 7.38 | 42.21 | 5,087.49 | 639.15 | 596.27 | 874.10 | 0.42 | 0.35 | -1.85 |
| 5,270.00 | 6.48 | 40.06 | 5,180.80 | 647.68 | 603.74 | 885.43 | 1.00 | -0.96 | -2.29 |
| 5,362.00 | 6.29 | 43.77 | 5.272.23 | 655.29 | 610.57 | 895.66 | 0.49 | -0.21 | 4.03 |
| 5,397.68 | 12.31 | 42.83 | 5,300.00 | 686.00 | 636.00 | 935.46 | 16.87 | 16.86 | -2.62 |
| MB N-36-8-1 | 6 Target | | | | | | | | |
| 5,456.00 | 5.56 | 46.42 | 5,365.73 | 662.15 | 617.43 | 905.35 | 11.60 | -11.57 | 6.15 |
| 5,550.00 | 4.48 | 51.53 | 5,459.37 | 667.58 | 623.61 | 913.53 | 1.24 | -1.15 | 5.44 |
| 5,644.00 | 3.95 | 57.27 | 5,553.11 | 671.61 | 629.20 | 920.29 | 0.72 | -0.56 | 6.11 |
| 5,737.00 | 3.54 | 58.52 | 5,645.91 | 674.84 | 634.35 | 926.16 | 0.45 | -0.44 | 1.34 |
| 5,831.00 | 3.07 | 55.49 | 5,739.76 | 677.78 | 638.90 | 931.41 | 0.53 | -0.50 | -3.22 |
| 5,925.00 | 2.75 | 61.30 | 5,833.64 | 680.29 | 642.95 | 936.00 | 0.46 | -0.34 | 6.18 |
| 6,020.00 | 2.73 | 62.32 | 5,928.53 | 682.44 | 646.95 | 940.30 | 0.06 | -0.02 | 1.07 |
| 6,112.00 | 2.72 | 62.73 | 6,020.42 | 684.45 | 650.83 | 944.41 | 0.02 | -0.01 | 0.45 |
| 6,206.00 | 2.13 | 64.29 | 6,114.34 | 686.23 | 654.39 | 948.14 | 0.63 | -0.63 | 1.66 |
| 6,299.00 | 1.91 | 73.03 | 6,207.28 | 687.44 | 657.43 | 951.08 | 0.41 | -0.24 | 9.40 |
| 6,394.00 | 1.70 | 69.74 | 6,302.23 | 688.39 | 660.26 | 953.71 | 0.25 | -0.22 | -3.46 |
| 6,470.00 | 1.55 | 75.76 | 6,378.20 | 689.03 | 662.32 | 955.58 | 0.30 | -0.20 | 7.92 |

689.40

75.76

1.55

6,433.18

663.76

956.83

0.00

0.00

0.00

6,525.00

Projection to TD